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BENCHMARK CODE	**BENCHMARK**	**LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST)** (Include the student edition and teacher edition with the page numbers of lesson, a link to lesson, or other identifier for easy lookup by reviewers.)
ELD.K12.ELL.MA.1	English language learners communicate information, ideas and concepts necessary for academic success in the content area of Mathematics.	Functions > Understand and Interpret Functions > Discover > Engage: Telescopes https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/d4980301-9a95-48ac-8553-f5e5218d80a2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/26b786ef-7d4f-45cf-8529-40bcd3db6a7d
ELD.K12.ELL.MA.1	English language learners communicate information, ideas and concepts necessary for academic success in the content area of Mathematics.	Nonlinear Functions > Investigate Square Root and Cube Root Functions > Discover > Engage: Building Squares and Cubes https://app.discoveryeducation.com/learn/techbook/units/AD84848E-019B-47D2-9030-15C28D403E01/concepts/42BD76C1-61DF-4927-AF52-F0E3C5FD0850

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ELD.K12.ELL.SI.1	English language learners communicate for social and instructional purposes within the school setting.	Exponential Functions > Represent Exponential Functions > Discover > Investigate > Investigation 3: Comparing Linear, Exponential, and Quadratic Functions https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/e4851cf4-ca16-4de6-b348-63f4dfd19208/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6159ef4e-9a20-4bdb-89f2-6e96d89ecc30
ELD.K12.ELL.SI.1	English language learners communicate for social and instructional purposes within the school setting.	Descriptive Statistics > Represent and Analyze Data > Discover > Investigate > Investigation 2: How Do Cereals Compare? https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/a6172201-a9b3-498f-9c80-ef15d15e7ba2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d2bd3304-7265-4b3a-8990-88c5b0cdebf7
LAFS.910.RST.1.3	Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text.	Quadratic Expressions and Equations > Analyze Quadratic Equations > Discover > Investigate > Investigation 1: Developing the Quadratic Formula https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/0ad7574c-9c57-434b-9557-4d0b1de2f5b4/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a689024f-1434-4583-9d04-87ac86bf9a93
LAFS.910.RST.1.3	Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text.	Descriptive Statistics > Represent and Analyze Data > Discover > Investigate > Investigation 3: Take Another Look https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/a6172201-a9b3-498f-9c80-ef15d15e7ba2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9a2ebc66-5a4b-4cdd-95e4-342bfa43b8ee

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LAFS.910.RST.1.3	Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Investigate> Investigation 3: Sample Proportions https://app.discoveryeducation.com/learn/techbook/units/952549ae-369f-4b9a-a58c-4ada0a987949/concepts/56db900e-880d-4ad7-9d77-aa44449cd92a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/15f2d380-da3d-40e2-bb87-d9ab34398df5
LAFS.910.RST.2.4	Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 9–10 texts and topics.	Exponential Functions > Represent Exponential Functions > Discover > Engage: Filtered Out https://app.discoveryeducation.com/learn/techbook/units/208C1A2E-B739-45D1-99EC-7C52C4CC2803/concepts/E4851CF4-CA16-4DE6-B348-63F4DFD19208
LAFS.910.RST.2.4	Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 9–10 texts and topics.	Rational Expressions and Equations > Solve Rational Equations > Engage: Feeling a Little Pressure? https://app.discoveryeducation.com/learn/techbook/units/2664722C-C3A1-4057-91DE-C20CC107656B/concepts/2444E72A-BE09-4A3B-8785-2ECF2E1E75A3
LAFS.910.RST.2.4	Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 9–10 texts and topics.	Exponential Functions > Analyze Exponential Growth and Decay Models > Discover > Investigate > Investigation 4: Comparing Exponential Models https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/acf55661-f77a-4227-aa2a-dcf6c4bf6428/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/84dbc4a6-067b-4000-ba7d-74fda60581e4

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LAFS.910.RST.3.7	Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.	Foundations of Algebra > Analyze Expressions and Equations > Discover > Investigate > Investigation 1: Frames https://app.discoveryeducation.com/learn/techbook/units/1e607700-d53c-4397-8807-009ca9a0b724/concepts/ea6c2374-a92c-4733-a073-24013ff68202/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6c83527d-0472-45ef-b3e0-bb7d4398a4c5
LAFS.910.RST.3.7	Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.	Exponential Functions > Analyze Exponential Growth and Decay Models > Discover > Investigate > Investigation 2: Explore Compound Interest https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/acf55661-f77a-4227-aa2a-dcf6c4bf6428/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6d200666-5a21-432b-9271-38c206d8f486
LAFS.910.RST.3.7	Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.	Exponential Functions > Analyze Exponential Growth and Decay Models > Discover > Investigate > Investigation 3: Using an Exponential Model https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/acf55661-f77a-4227-aa2a-dcf6c4bf6428/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/7bb0eb2a-b8eb-491f-b596-cd25a877cec2
LAFS.910.SL.1.1.a	Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.	Graphs of Functions > Analyze Graphs of Functions > Discover > Investigate > Investigation 4: Protect the Pigs https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d65bbedb-74e4-4867-9d5f-de8f06b07c68/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a8acdf09-359c-4ea6-ab7d-dc4da9b03de3

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LAFS.910.SL.1.1.a	Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.	Descriptive Statistics > Represent and Analyze Data > Discover > Investigate > Investigation 4: Drawing a Conclusion https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/a6172201-a9b3-498f-9c80-ef15d15e7ba2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9aa5f081-7f28-4f94-8e94-0ad0164ec5e7
LAFS.910.SL.1.1.a	Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Investigate> Investigation 3: Sample Proportions https://app.discoveryeducation.com/learn/techbook/units/952549ae-369f-4b9a-a58c-4ada0a987949/concepts/56db900e-880d-4ad7-9d77-aa44449cd92a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/15f2d380-da3d-40e2-bb87-d9ab34398df5
LAFS.910.SL.1.1.b	Work with peers to set rules for collegial discussions and decision-making (e.g., informal consensus, taking votes on key issues, presentation of alternate views), clear goals and deadlines, and individual roles as needed.	Descriptive Statistics > Interpret Two-Way Frequency Tables > Discover > Investigate > Investigation 2: Surveys https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/17b12d51-fcbe-4822-b399-8fdde719540e/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/63af910f-2d00-46ba-a35f-0d4e951ea8a4
LAFS.910.SL.1.1.b	Work with peers to set rules for collegial discussions and decision-making (e.g., informal consensus, taking votes on key issues, presentation of alternate views), clear goals and deadlines, and individual roles as needed.	Descriptive Statistics > Analyze Scatter Plots > Discover > Investigate > Investigation 3: Forearm Length vs. Foot Length https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/ea4ff362-6340-47fa-b525-3f82916ba17d

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LAFS.910.SL.1.1.b	Work with peers to set rules for collegial discussions and decision-making (e.g., informal consensus, taking votes on key issues, presentation of alternate views), clear goals and deadlines, and individual roles as needed.	Descriptive Statistics > Analyze Scatter Plots > Discover > Investigate > Investigation 4: Jumping to Conclusions https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/edc2b529-5d91-45e6-b46a-6f3332f5f870
LAFS.910.SL.1.1.c	Propel conversations by posing and responding to questions that relate the current discussion to broader themes or larger ideas; actively incorporate others into the discussion; and clarify, verify, or challenge ideas and conclusions.	Descriptive Statistics > Interpret Two-Way Frequency Tables > Discover > Investigate > Investigation 3: Curfew: Fair or Unfair? https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/17b12d51-fcbe-4822-b399-8fdde719540e/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/60499c79-1a60-440e-ace8-27c3ba8e9b66
LAFS.910.SL.1.1.c	Propel conversations by posing and responding to questions that relate the current discussion to broader themes or larger ideas; actively incorporate others into the discussion; and clarify, verify, or challenge ideas and conclusions.	Descriptive Statistics > Interpret Two-Way Frequency Tables > Discover > Investigate > Investigation 1: Business or Education? https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6528920a-d95a-407e-9b76-7eb130b9c7e5
LAFS.910.SL.1.1.c	Propel conversations by posing and responding to questions that relate the current discussion to broader themes or larger ideas; actively incorporate others into the discussion; and clarify, verify, or challenge ideas and conclusions.	Functions > Analyze Arithmetic Sequences and Linear Functions > Discover > Engage: Saving for a Tablet https://app.discoveryeducation.com/learn/techbook/units/48A3F422-D5D4-41C1-A4F6-83A566C7D454/concepts/C49271E8-3B36-463C-8687-00B3295161D8

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LAFS.910.SL.1.1.d	Respond thoughtfully to diverse perspectives, summarize points of agreement and disagreement, and, when warranted, qualify or justify their own views and understanding and make new connections in light of the evidence and reasoning presented.	Exponential Functions > Analyze Exponential Growth and Decay Models > Discover > Engage: Breaking the Bank https://app.discoveryeducation.com/learn/techbook/units/208C1A2E-B739-45D1-99EC-7C52C4CC2803/concepts/ACF55661-F77A-4227-AA2A-DCF6C4BF6428
LAFS.910.SL.1.1.d	Respond thoughtfully to diverse perspectives, summarize points of agreement and disagreement, and, when warranted, qualify or justify their own views and understanding and make new connections in light of the evidence and reasoning presented.	Descriptive Statistics > Analyze Scatter Plots > Discover > Investigate > Investigation 3: Forearm Length vs. Foot Length https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/ea4ff362-6340-47fa-b525-3f82916ba17d
LAFS.910.SL.1.1.d	Respond thoughtfully to diverse perspectives, summarize points of agreement and disagreement, and, when warranted, qualify or justify their own views and understanding and make new connections in light of the evidence and reasoning presented.	Descriptive Statistics > Represent and Analyze Data > Discover > Investigate > Investigation 4: Drawing a Conclusion https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/a6172201-a9b3-498f-9c80-ef15d15e7ba2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9aa5f081-7f28-4f94-8e94-0ad0164ec5e7
LAFS.910.SL.1.2	Integrate multiple sources of information presented in diverse media or formats (e.g., visually, quantitatively, orally) evaluating the credibility and accuracy of each source.	Exponential Functions > Analyze Exponential Growth and Decay Models > Discover > Engage: Breaking the Bank https://app.discoveryeducation.com/learn/techbook/units/208C1A2E-B739-45D1-99EC-7C52C4CC2803/concepts/ACF55661-F77A-4227-AA2A-DCF6C4BF6428
LAFS.910.SL.1.2	Integrate multiple sources of information presented in diverse media or formats (e.g., visually, quantitatively, orally) evaluating the credibility and accuracy of each source.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Engage: Phone Contest https://app.discoveryeducation.com/learn/techbook/units/952549AE-369F-4B9A-A58C-4ADA0A987949/concepts/56DB900E-880D-4AD7-9D77-AA44449CD92A

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LAFS.910.SL.1.2	Integrate multiple sources of information presented in diverse media or formats (e.g., visually, quantitatively, orally) evaluating the credibility and accuracy of each source.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Investigate> Investigation 1: Statistical Sampling Methods https://app.discoveryeducation.com/learn/techbook/units/952549ae-369f-4b9a-a58c-4ada0a987949/concepts/56db900e-880d-4ad7-9d77-aa44449cd92a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/f7a38e1e-273b-4832-9609-19e3ffba0370
LAFS.910.SL.1.3	Evaluate a speaker's point of view, reasoning, and use of evidence and rhetoric, identifying any fallacious reasoning or exaggerated or distorted evidence.	Descriptive Statistics > Analyze Scatter Plots > Discover > Investigate > Investigation 4: Jumping to Conclusions https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/edc2b529-5d91-45e6-b46a-6f3332f5f870
LAFS.910.SL.1.3	Evaluate a speaker's point of view, reasoning, and use of evidence and rhetoric, identifying any fallacious reasoning or exaggerated or distorted evidence.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Engage: Phone Contest https://app.discoveryeducation.com/learn/techbook/units/952549AE-369F-4B9A-A58C-4ADA0A987949/concepts/56DB900E-880D-4AD7-9D77-AA44449CD92A
LAFS.910.SL.1.3	Evaluate a speaker's point of view, reasoning, and use of evidence and rhetoric, identifying any fallacious reasoning or exaggerated or distorted evidence.	Descriptive Statistics > Interpret Two-Way Frequency Tables > Discover > Engage > Teenage Jobs https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/17b12d51-fcbe-4822-b399-8fdde719540e

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LAFS.910.SL.2.4	Present information, findings, and supporting evidence clearly, concisely, and logically such that listeners can follow the line of reasoning and the organization, development, substance, and style are appropriate to purpose, audience, and task.	Quadratic Expressions and Equations > Solve Quadratics > Discover > Investigate > Investigation 5: Getting to the Root of It All https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/15b49fc1-c67b-43b0-bce4-42fc1614ec3c/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/93257662-8298-4020-a4af-1cdde9d67ea0
LAFS.910.SL.2.4	Present information, findings, and supporting evidence clearly, concisely, and logically such that listeners can follow the line of reasoning and the organization, development, substance, and style are appropriate to purpose, audience, and task.	Descriptive Statistics > Represent and Analyze Data > Discover > Investigate > Investigation 4: Drawing a Conclusion https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/a6172201-a9b3-498f-9c80-ef15d15e7ba2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9aa5f081-7f28-4f94-8e94-0ad0164ec5e7
LAFS.910.SL.2.4	Present information, findings, and supporting evidence clearly, concisely, and logically such that listeners can follow the line of reasoning and the organization, development, substance, and style are appropriate to purpose, audience, and task.	Graphs of Quadratic Functions > Analyze Graphs of Quadratic Functions > Apply > Apply 3: How Can You Design a Winning Ski Jump? https://app.discoveryeducation.com/learn/techbook/units/0925723a-be67-4141-9a25-dd90a4b04b68/concepts/5b69ca7e-3376-4bfd-b785-59a5c91e3227/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/2086CA01-78BC-490A-9E64-9509A01143CE
LAFS.910.WHST.1.1.a	Introduce precise claim(s), distinguish the claim(s) from alternate or opposing claims, and create an organization that establishes clear relationships among the claim(s), counterclaims, reasons, and evidence.	Nonlinear Functions > Investigate Rational Exponents > Discover > Investigate > Investigation 3: Radical Properties https://app.discoveryeducation.com/learn/techbook/units/ad84848e-019b-47d2-9030-15c28d403e01/concepts/b90d9add-f2c2-4a65-bdaa-24e867b97290/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/01d9e020-0228-47b9-92a3-61ffa9c75c85

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LAFS.910.WHST.1.1.a	Introduce precise claim(s), distinguish the claim(s) from alternate or opposing claims, and create an organization that establishes clear relationships among the claim(s), counterclaims, reasons, and evidence.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Apply > Apply 2: Can You Turst the Polls? https://app.discoveryeducation.com/learn/techbook/units/952549ae-369f-4b9a-a58c-4ada0a987949/concepts/56db900e-880d-4ad7-9d77-aa44449cd92a/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/092F73E2-F034-4582-9976-47B6D566B642
LAFS.910.WHST.1.1.a	Introduce precise claim(s), distinguish the claim(s) from alternate or opposing claims, and create an organization that establishes clear relationships among the claim(s), counterclaims, reasons, and evidence.	Graphs of Quadratic Functions > Analyze Graphs of Quadratic Functions > Apply > Apply 3: How Can You Design a Winning Ski Jump? https://app.discoveryeducation.com/learn/techbook/units/0925723a-be67-4141-9a25-dd90a4b04b68/concepts/5b69ca7e-3376-4bfd-b785-59a5c91e3227/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/2086CA01-78BC-490A-9E64-9509A01143CE
LAFS.910.WHST.1.1.b	Develop claim(s) and counterclaims fairly, supplying data and evidence for each while pointing out the strengths and limitations of both claim(s) and counterclaims in a discipline-appropriate form and in a manner that anticipates the audience's knowledge level and concerns.	Polynomials > Perform Operations on Polynomials > Discover > Investigate > Investigation 4: Brainercise? https://app.discoveryeducation.com/learn/techbook/units/d8084513-aa24-4d2d-bb08-4c5bd33da078/concepts/cb46fbe4-0505-4cb3-8690-5f84aaf9a864/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/c88f4584-8351-47bd-936b-27f9ec6106de
LAFS.910.WHST.1.1.b	Develop claim(s) and counterclaims fairly, supplying data and evidence for each while pointing out the strengths and limitations of both claim(s) and counterclaims in a discipline-appropriate form and in a manner that anticipates the audience's knowledge level and concerns.	Graphs of Quadratic Functions > Analyze Graphs of Quadratic Functions > Apply > Apply 3: How Can You Design a Winning Ski Jump? https://app.discoveryeducation.com/learn/techbook/units/0925723a-be67-4141-9a25-dd90a4b04b68/concepts/5b69ca7e-3376-4bfd-b785-59a5c91e3227/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/2086CA01-78BC-490A-9E64-9509A01143CE

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LAFS.910.WHST.1.1.b	Develop claim(s) and counterclaims fairly, supplying data and evidence for each while pointing out the strengths and limitations of both claim(s) and counterclaims in a discipline-appropriate form and in a manner that anticipates the audience's knowledge level and concerns.	Descriptive Statistics > Interpret Two-Way Frequency Tables > Apply > Apply 2: Are These Things REALLY Related? https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/17b12d51-fcbe-4822-b399-8fdde719540e/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/53B61BB3-9054-48D2-9DC8-61F36FA9B533
LAFS.910.WHST.1.1.c	Use words, phrases, and clauses to link the major sections of the text, create cohesion, and clarify the relationships between claim(s) and reasons, between reasons and evidence, and between claim(s) and counterclaims.	Exponential Functions > Analyze Exponential Growth and Decay Models > Apply > Apply 1: What Is Happening to Some Animal Populations? https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/acf55661-f77a-4227-aa2a-dcf6c4bf6428/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/6BDF09D0-F080-4245-9EC6-4F436A28A517
LAFS.910.WHST.1.1.c	Use words, phrases, and clauses to link the major sections of the text, create cohesion, and clarify the relationships between claim(s) and reasons, between reasons and evidence, and between claim(s) and counterclaims.	Functions > Understand and Interpret Functions > Apply > Apply 3: Wind Chill https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/d4980301-9a95-48ac-8553-f5e5218d80a2/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/e2383802-8b01-405b-84e9-9bf02f425cc7
LAFS.910.WHST.1.1.c	Use words, phrases, and clauses to link the major sections of the text, create cohesion, and clarify the relationships between claim(s) and reasons, between reasons and evidence, and between claim(s) and counterclaims.	Functions > Understand and Interpret Functions > Apply > Apply 1: How Much Does a Million Dollars Weigh? https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/d4980301-9a95-48ac-8553-f5e5218d80a2/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/ae30b069-41d0-46a1-8f01-591e866a20e4

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LAFS.910.WHST.1.1.d	Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.	Systems of Equations and Inequalities > Use Systems in Decision Making: Linear Programming > Apply > Apply 1: How Do You Plan a Successful Spirit Day Fundraiser? https://app.discoveryeducation.com/learn/techbook/units/f5934bea-65d1-4dcd-9307-e20b8e485435/concepts/ace80bbf-21d4-470e-9789-8c3156ca6b51/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/D6BAF7B6-BEF7-4613-81DE-26D9D5D91FB5
LAFS.910.WHST.1.1.d	Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.	Exponential Functions > Analyze Exponential Growth and Decay Models > Apply > Apply 1: What Is Happening to Some Animal Populations? https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/acf55661-f77a-4227-aa2a-dcf6c4bf6428/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/6BDF09D0-F080-4245-9EC6-4F436A28A517
LAFS.910.WHST.1.1.d	Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.	Graphs of Quadratic Functions > Analyze Graphs of Quadratic Functions > Apply > Apply 3: How Can You Design a Winning Ski Jump? https://app.discoveryeducation.com/learn/techbook/units/0925723a-be67-4141-9a25-dd90a4b04b68/concepts/5b69ca7e-3376-4bfd-b785-59a5c91e3227/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/2086CA01-78BC-490A-9E64-9509A01143CE
LAFS.910.WHST.1.1.e	Provide a concluding statement or section that follows from or supports the argument presented.	Descriptive Statistics > Analyze Scatter Plots > Apply > Apply 3: Which Statistics Are Correlated? https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/1A9D941A-5287-4A38-924E-806D92A10FBC

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LAFS.910.WHST.1.1.e	Provide a concluding statement or section that follows from or supports the argument presented.	Descriptive Statistics > Analyze Scatter Plots > Apply > Apply 5: Which Speed Will Give the Best Gas Mileage? https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/7A9AEFCF-FA00-45D6-A45F-14FBA22FEEF1
LAFS.910.WHST.1.1.e	Provide a concluding statement or section that follows from or supports the argument presented.	Exponential Functions > Represent Exponential Functions > Apply > Apply 2: How Quickly Can a Celebrity Gain Followers on Social Media? https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/e4851cf4-ca16-4de6-b348-63f4dfd19208/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/C5AE2BAA-E61A-4664-BB98-BEA4640B309D
LAFS.910.WHST.2.4	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	Descriptive Statistics > Analyze Scatter Plots > Apply > Apply 3: Which Statistics Are Correlated? https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/1A9D941A-5287-4A38-924E-806D92A10FBC
LAFS.910.WHST.2.4	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	Data Modeling > Explore Normal Distributions > Apply > Apply 3: How Normal Are Basketball Statistics? https://app.discoveryeducation.com/learn/techbook/units/952549ae-369f-4b9a-a58c-4ada0a987949/concepts/c81f9baf-b68e-436e-89bc-ae9853ba87a7/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/B08ECC96-7517-477A-A6E9-00B5B4C8BCA8

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LAFS.910.WHST.2.4	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	Descriptive Statistics > Represent and Analyze Data > Apply > Apply 1: How Should Data Direct Tornado Research? https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/a6172201-a9b3-498f-9c80-ef15d15e7ba2/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/0EF98EF1-F1B1-4B96-9484-CE896FB1E713
LAFS.910.WHST.3.9	Draw evidence from informational texts to support analysis, reflection, and research.	Exponential Functions > Analyze Exponential Growth and Decay Models > Apply > Apply 1: What Is Happening to Some Animal Populations? https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/acf55661-f77a-4227-aa2a-dcf6c4bf6428/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/6BDF09D0-F080-4245-9EC6-4F436A28A517
LAFS.910.WHST.3.9	Draw evidence from informational texts to support analysis, reflection, and research.	Rational Expressions and Equations > Solve Rational Equations > Apply > Apply 6: How Long Will Your Air Tank Last? https://app.discoveryeducation.com/learn/techbook/units/2664722c-c3a1-4057-91de-c20cc107656b/concepts/2444e72a-be09-4a3b-8785-2ecf2e1e75a3/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/5402F0F7-BB8B-48DC-ACD3-A10E89884715
LAFS.910.WHST.3.9	Draw evidence from informational texts to support analysis, reflection, and research.	Nonlinear Functions > Investigate Square Root and Cube Root Functions > Apply > Apply 1: How Far Can You See? https://app.discoveryeducation.com/learn/techbook/units/ad84848e-019b-47d2-9030-15c28d403e01/concepts/42bd76c1-61df-4927-af52-f0e3c5fd0850/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/48abb943-3dd1-46e2-b7c6-e7854fccc7c7

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MAFS.912.A-APR.1.1	Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.	Polynomials > Perform Operations on Polynomials > Discover > Investigate > Investigation 2: Tug of War https://app.discoveryeducation.com/learn/techbook/units/d8084513-aa24-4d2d-bb08-4c5bd33da078/concepts/cb46fbe4-0505-4cb3-8690-5f84aaf9a864/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/68618a78-aa80-469f-9a30-eb624f910e37
MAFS.912.A-APR.1.1	Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.	Polynomials > Perform Operations on Polynomials > Discover > Investigate > Investigation 3: Oxygen Consumption https://app.discoveryeducation.com/learn/techbook/units/d8084513-aa24-4d2d-bb08-4c5bd33da078/concepts/cb46fbe4-0505-4cb3-8690-5f84aaf9a864/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a843b5af-1a85-4f1c-a26e-74a0b9fe8231
MAFS.912.A-APR.1.1	Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.	Polynomials > Perform Operations on Polynomials > Discover > Investigate > Investigation 4: Brainercise? https://app.discoveryeducation.com/learn/techbook/units/d8084513-aa24-4d2d-bb08-4c5bd33da078/concepts/cb46fbe4-0505-4cb3-8690-5f84aaf9a864/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/c88f4584-8351-47bd-936b-27f9ec6106de
MAFS.912.A-APR.2.2:	Know and apply the Remainder Theorem: For a polynomial p(x) and a number a, the remainder on division by x – a is p(a), so p(a) = 0 if and only if (x – a) is a factor of p(x).	Polynomial Expressions and Equations > Operate with Polynomials > Discover > Engage: Examining Roots of Polynomials https://app.discoveryeducation.com/learn/techbook/units/4A4E453D-83C5-49D2-830F-2D0230EB4551/concepts/0CA385AE-F910-445D-9CD8-6EFEA3DCA7AB

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MAFS.912.A-APR.2.2:	Know and apply the Remainder Theorem: For a polynomial p(x) and a number a, the remainder on division by x – a is p(a), so p(a) = 0 if and only if (x – a) is a factor of p(x).	Polynomial Expressions and Equations > Explore Polynomial Factors > Discover > Investigate > Investigation 2: Using Long Division to Find Roots https://app.discoveryeducation.com/learn/techbook/units/4a4e453d-83c5-49d2-830f-2d0230eb4551/concepts/24be8e11-e09d-4065-87a8-a17b50282a13/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/c7afe8a8-8753-4392-b55a-6bba8a89bc45
MAFS.912.A-APR.2.2:	Know and apply the Remainder Theorem: For a polynomial p(x) and a number a, the remainder on division by x – a is p(a), so p(a) = 0 if and only if (x – a) is a factor of p(x).	Polynomial Expressions and Equations > Analyze Polynomial Functions > Discover > Investigate > Investigation 2: Write the Equation of a Polynomial https://app.discoveryeducation.com/learn/techbook/units/4a4e453d-83c5-49d2-830f-2d0230eb4551/concepts/b836d41e-298c-4fd2-a60c-fec8793bf48a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/225d5ff3-b774-4c54-a241-b6a6fd1f6e5f
MAFS.912.A-APR.2.3	Identify zeros of polynomials when suitable factorizations are available, and use the zeros to construct a rough graph of the function defined by the polynomial.	Quadratic Expressions and Equations > Solve Quadratics > Discover > Investigate > Investigation 2: Solve Quadratics by Factoring https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/15b49fc1-c67b-43b0-bce4-42fc1614ec3c/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/318b806c-5d4f-4182-a3f7-3e12ee9ce1c5
MAFS.912.A-APR.2.3	Identify zeros of polynomials when suitable factorizations are available, and use the zeros to construct a rough graph of the function defined by the polynomial.	Quadratic Expressions and Equations > Analyze Quadratic Equations > Discover > Investigate > Investigation 3: Using the Quadratic Formula https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/0ad7574c-9c57-434b-9557-4d0b1de2f5b4/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/26464796-eac4-4174-8245-f986a5d96f0d

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MAFS.912.A-APR.3.4:	Prove polynomial identities and use them to describe numerical relationships. For example, the polynomial identity $(x^2 + y^2)^2 = (x^2 – y^2)^2 + (2xy)^2$ can be used to generate Pythagorean triples.	Polynomial Expressions and Equations > Operate with Polynomials > Discover > Investigate > Investigation 2: Factoring with Quadratic Techniques https://app.discoveryeducation.com/learn/techbook/units/4a4e453d-83c5-49d2-830f-2d0230eb4551/concepts/0ca385ae-f910-445d-9cd8-6efea3dca7ab/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/3c1fb2bc-10bd-40f9-9bde-242d2dade8a4
MAFS.912.A-APR.3.4:	Prove polynomial identities and use them to describe numerical relationships. For example, the polynomial identity $(x^2 + y^2)^2 = (x^2 – y^2)^2 + (2xy)^2$ can be used to generate Pythagorean triples.	Polynomial Expressions and Equations > Operate with Polynomials > Discover > Investigate > Investigation 3: Factoring Cubes https://app.discoveryeducation.com/learn/techbook/units/4a4e453d-83c5-49d2-830f-2d0230eb4551/concepts/0ca385ae-f910-445d-9cd8-6efea3dca7ab/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/bb1ee8e8-5e97-48f6-89a3-927cfb110983
MAFS.912.A-APR.3.4:	Prove polynomial identities and use them to describe numerical relationships. For example, the polynomial identity $(x^2 + y^2)^2 = (x^2 – y^2)^2 + (2xy)^2$ can be used to generate Pythagorean triples.	Polynomial Expressions and Equations > Operate with Polynomials > Discover > Investigate > Investigation 4: Building Pascal's Triangle https://app.discoveryeducation.com/learn/techbook/units/4a4e453d-83c5-49d2-830f-2d0230eb4551/concepts/0ca385ae-f910-445d-9cd8-6efea3dca7ab/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/2af5a5d5-622b-4539-960b-dda800b68bec
MAFS.912.A-APR.4.6:	Rewrite simple rational expressions in different forms; write a(x)/b(x) in the form q(x) + r(x)/b(x), where a(x), b(x), q(x), and r(x) are polynomials with the degree of r(x) less than the degree of b(x), using inspection, long division, or, for the more complicated examples, a computer algebra system.	Polynomial Expressions and Equations > Explore Polynomial Factors > Discover > Engage: Quadratic Long Division https://app.discoveryeducation.com/learn/techbook/units/4A4E453D-83C5-49D2-830F-2D0230EB4551/concepts/24BE8E11-E09D-4065-87A8-A17B50282A13

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MAFS.912.A-APR.4.6:	Rewrite simple rational expressions in different forms; write a(x)/b(x) in the form q(x) + r(x)/b(x), where a(x), b(x), q(x), and r(x) are polynomials with the degree of r(x) less than the degree of b(x), using inspection, long division, or, for the more complicated examples, a computer algebra system.	Polynomial Expressions and Equations > Explore Polynomial Factors > Discover > Investigate > Investigation 1: Polynomial Long Division https://app.discoveryeducation.com/learn/techbook/units/4a4e453d-83c5-49d2-830f-2d0230eb4551/concepts/24be8e11-e09d-4065-87a8-a17b50282a13/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d1641187-9d9f-407f-99e0-dfb531279699
MAFS.912.A-APR.4.6:	Rewrite simple rational expressions in different forms; write a(x)/b(x) in the form q(x) + r(x)/b(x), where a(x), b(x), q(x), and r(x) are polynomials with the degree of r(x) less than the degree of b(x), using inspection, long division, or, for the more complicated examples, a computer algebra system.	Rational Expressions and Equations > Develop Rational Expressions > Discover > Investigate > Investigation 4: Polynomial Division By a Binomial https://app.discoveryeducation.com/learn/techbook/units/2664722c-c3a1-4057-91de-c20cc107656b/concepts/03f03513-87ae-4b56-987b-ee1ec7744ec4/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/0469e36b-5dee-4bef-b652-d0a372fc67a1
MAFS.912.A-CED.1.1	Create equations and inequalities in one variable and use them to solve problems. Include equations arising from linear and quadratic functions, and simple rational, absolute, and exponential functions.	Foundations of Algebra > Reason with Expressions and Equations > Discover > Investigate > Investigation 2: Pumpkin Launch! https://app.discoveryeducation.com/learn/techbook/units/1e607700-d53c-4397-8807-009ca9a0b724/concepts/7b35dde1-e23e-49b0-8f82-34f8b3bb5788/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/cd9e4211-f0b7-446f-a46a-2cba9a82ad1c
MAFS.912.A-CED.1.1	Create equations and inequalities in one variable and use them to solve problems. Include equations arising from linear and quadratic functions, and simple rational, absolute, and exponential functions.	Foundations of Algebra > Reason with Expressions and Equations > Discover > Investigate > Investigation 4: Exploring Diagonals in a Polygon https://app.discoveryeducation.com/learn/techbook/units/1e607700-d53c-4397-8807-009ca9a0b724/concepts/7b35dde1-e23e-49b0-8f82-34f8b3bb5788/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/f15116e5-337a-4ac9-9042-afbc0b9ec2ee

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MAFS.912.A-CED.1.1	Create equations and inequalities in one variable and use them to solve problems. Include equations arising from linear and quadratic functions, and simple rational, absolute, and exponential functions.	Foundations of Algebra > Apply > Apply and Evaluate Expressions and Equations > Discover > Engage: Flight Arrangements https://app.discoveryeducation.com/learn/techbook/units/1E607700-D53C-4397-8807-009CA9A0B724/concepts/48E1D8BC-34D9-4257-BCC5-B328E4B2EE81
MAFS.912.A-CED.1.2	Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.	Systems of Equations and Inequalities > Solve Systems of Equations and Inequalities > Discover > Engage: Decision, Decisions https://app.discoveryeducation.com/learn/techbook/units/F5934BEA-65D1-4DCD-9307-E20B8E485435/concepts/396921D6-386C-434E-BF2F-4DA7E4B55EAF
MAFS.912.A-CED.1.2	Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.	Systems of Equations and Inequalities > Solve Systems of Equations and Inequalities > Discover > Investigate > Investigation 4: Charity Fundraiser https://app.discoveryeducation.com/learn/techbook/units/f5934bea-65d1-4dcd-9307-e20b8e485435/concepts/396921d6-386c-434e-bf2f-4da7e4b55eaf/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/bc4be087-b027-4647-8bd4-8a3739deb6a6
MAFS.912.A-CED.1.2	Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.	Nonlinear Functions > Create and Analyze Piecewise Functions > Discover > Engage: Speed of a Racecar https://app.discoveryeducation.com/learn/techbook/units/ad84848e-019b-47d2-9030-15c28d403e01/concepts/53ce0f9f-1bc0-4a28-9100-d716c727703a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/24d6d2c4-151b-4cae-adc9-134da54cf079

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MAFS.912.A-CED.1.3	Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non-viable options in a modeling context.	Systems of Equations and Inequalities > Solve Systems of Equations and Inequalities > Discover > Investigate > Investigation 3: Which Tablet Should Kara Buy? https://app.discoveryeducation.com/learn/techbook/units/f5934bea-65d1-4dcd-9307-e20b8e485435/concepts/396921d6-386c-434e-bf2f-4da7e4b55eaf/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/3da42943-b7b5-4943-9ca7-46e8c8b7edbc
MAFS.912.A-CED.1.3	Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non-viable options in a modeling context.	Systems of Equations and Inequalities > Solve Systems of Equations and Inequalities > Discover > Investigate > Investigation 4: Charity Fundraiser https://app.discoveryeducation.com/learn/techbook/units/f5934bea-65d1-4dcd-9307-e20b8e485435/concepts/396921d6-386c-434e-bf2f-4da7e4b55eaf/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/bc4be087-b027-4647-8bd4-8a3739deb6a6
MAFS.912.A-CED.1.3	Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non-viable options in a modeling context.	Systems of Equations and Inequalities > Use Systems in Decision Making: Linear Programming > Discover > Investigate > Investigation 2: Hay Is for Horses https://app.discoveryeducation.com/learn/techbook/units/f5934bea-65d1-4dcd-9307-e20b8e485435/concepts/ace80bbf-21d4-470e-9789-8c3156ca6b51/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/dfd2f550-02e9-4eaa-bf60-82feb657a018
MAFS.912.A-CED.1.3	Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non-viable options in a modeling context.	Equations and Inequalties > Solve Absolute Value Equations and Inequalities > Discover > Investigate > Investigation 1: Compound Inequalities https://app.discoveryeducation.com/learn/techbook/units/2556eb51-8cc2-42b3-808c-a85064f95b9b/concepts/f6081c1b-32ba-40b7-9c7f-e15947a93c11/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/60d3c0c9-8c5f-4fec-9744-bf72c23b7050

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MAFS.912.A-CED.1.4	Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations.	Equations and Inequalities > Rewrite Literal Equations > Discover > Investigate > Investigation 1: Exploring Literal Equations https://app.discoveryeducation.com/learn/techbook/units/2556eb51-8cc2-42b3-808c-a85064f95b9b/concepts/f2924ea5-003e-4007-bc3f-f29af0738b32/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/746e98ee-e34a-41b4-bb65-2db45143daa1
MAFS.912.A-CED.1.4	Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations.	Equations and Inequalities > Rewrite Literal Equations > Discover > Investigate > Investigation 2: Installing Aquariums https://app.discoveryeducation.com/learn/techbook/units/2556eb51-8cc2-42b3-808c-a85064f95b9b/concepts/f2924ea5-003e-4007-bc3f-f29af0738b32/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9d8fcaf8-2cb9-412d-ad2a-7be6febc026d
MAFS.912.A-CED.1.4	Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations.	Systems of Equations and Inequalities > Solve Systems of Equations and Inequalities > Discover > Investigate > Investigation 1: Road Trip: The Sequel https://app.discoveryeducation.com/learn/techbook/units/f5934bea-65d1-4dcd-9307-e20b8e485435/concepts/396921d6-386c-434e-bf2f-4da7e4b55eaf/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/8f97c576-cc67-4f14-82bc-74efc4a28dc4
MAFS.912.A-REI.1.1	Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method.	Equations and Inequalities > Solve Equations and Inequalities > Discover > Investigate > Investigation 1: Solving Algebraic Equations https://app.discoveryeducation.com/learn/techbook/units/2556eb51-8cc2-42b3-808c-a85064f95b9b/concepts/7aa51153-cc6d-4db7-b736-0b660f205daa/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/e7076315-6098-4144-9b9f-0dc38058b129

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MAFS.912.A-REI.1.1	Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method.	Equations and Inequalities > Solve Equations and Inequalities > Discover > Investigate > Investigation 2: Name That Property https://app.discoveryeducation.com/learn/techbook/units/2556eb51-8cc2-42b3-808c-a85064f95b9b/concepts/7aa51153-cc6d-4db7-b736-0b660f205daa/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a411f8f7-9899-4810-a6bc-ec43ff48340a
MAFS.912.A-REI.1.1	Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method.	Equations and Inequalities > Solve Equations and Inequalities > Discover > Investigate > Investigation 3: Justifying Inequalities https://app.discoveryeducation.com/learn/techbook/units/2556eb51-8cc2-42b3-808c-a85064f95b9b/concepts/7aa51153-cc6d-4db7-b736-0b660f205daa/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/63076877-5fef-49e2-97d8-932325cb0418
MAFS.912.A-REI.1.2:	Solve simple rational and radical equations in one variable, and give examples showing how extraneous solutions may arise.	Rational Expressions and Equations > Solve Rational Equations > Engage: Feeling a Little Pressure? https://app.discoveryeducation.com/learn/techbook/units/2664722C-C3A1-4057-91DE-C20CC107656B/concepts/2444E72A-BE09-4A3B-8785-2ECF2E1E75A3
MAFS.912.A-REI.1.2:	Solve simple rational and radical equations in one variable, and give examples showing how extraneous solutions may arise.	Rational Expressions and Equations > Solve Rational Equations > Investigation 2: Explore Ways to Solve Rational Equations https://app.discoveryeducation.com/learn/techbook/units/2664722c-c3a1-4057-91de-c20cc107656b/concepts/2444e72a-be09-4a3b-8785-2ecf2e1e75a3/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d2bef5bf-60c0-4df7-8bb2-391713d854b1

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MAFS.912.A-REI.1.2:	Solve simple rational and radical equations in one variable, and give examples showing how extraneous solutions may arise.	Rational Expressions and Equations > Solve Rational Equations > Investigation 4: Inverse Variation https://app.discoveryeducation.com/learn/techbook/units/2664722c-c3a1-4057-91de-c20cc107656b/concepts/2444e72a-be09-4a3b-8785-2ecf2e1e75a3/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/35988007-8dee-429e-be96-c43c91859e5e
MAFS.912.A-REI.2.3	Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.	Equations and Inequalities > Rewrite Literal Equations > Discover > Investigate > Investigation 1: Exploring Literal Equations https://app.discoveryeducation.com/learn/techbook/units/2556eb51-8cc2-42b3-808c-a85064f95b9b/concepts/f2924ea5-003e-4007-bc3f-f29af0738b32/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/746e98ee-e34a-41b4-bb65-2db45143daa1
MAFS.912.A-REI.2.3	Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.	Equations and Inequalities > Rewrite Literal Equations > Discover > Investigate > Investigation 2: Installing Aquariums https://app.discoveryeducation.com/learn/techbook/units/2556eb51-8cc2-42b3-808c-a85064f95b9b/concepts/f2924ea5-003e-4007-bc3f-f29af0738b32/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9d8fcaf8-2cb9-412d-ad2a-7be6febc026d
MAFS.912.A-REI.2.3	Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.	Systems of Equations and Inequalities > Solve Systems of Equations and Inequalities > Discover > Investigate > Investigation 1: Road Trip: The Sequel https://app.discoveryeducation.com/learn/techbook/units/f5934bea-65d1-4dcd-9307-e20b8e485435/concepts/396921d6-386c-434e-bf2f-4da7e4b55eaf/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/8f97c576-cc67-4f14-82bc-74efc4a28dc4

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MAFS.912.A-REI.2.4.a	Use the method of completing the square to transform any quadratic equation in x into an equation of the form $(x – p)^2 = q$ that has the same solutions. Derive the quadratic formula from this form.	Quadratic Expressions and Equations > Solve Quadratics > Discover > Investigate > Investigation 4: Solve Quadratic Equations by Completing the Square https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/15b49fc1-c67b-43b0-bce4-42fc1614ec3c/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/de4263d0-376b-4635-bc0b-86ad1be85fb3
MAFS.912.A-REI.2.4.a	Use the method of completing the square to transform any quadratic equation in x into an equation of the form $(x – p)^2 = q$ that has the same solutions. Derive the quadratic formula from this form.	Quadratic Expressions and Equations > Solve Quadratics > Discover > Investigate > Investigation 5: Getting to the Root of It All https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/15b49fc1-c67b-43b0-bce4-42fc1614ec3c/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/93257662-8298-4020-a4af-1cdde9d67ea0
MAFS.912.A-REI.2.4.a	Use the method of completing the square to transform any quadratic equation in x into an equation of the form $(x – p)^2 = q$ that has the same solutions. Derive the quadratic formula from this form.	Quadratic Expressions and Equations > Analyze Quadratic Equations > Discover > Investigate > Investigation 1: Developing the Quadratic Formula https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/0ad7574c-9c57-434b-9557-4d0b1de2f5b4/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a689024f-1434-4583-9d04-87ac86bf9a93
MAFS.912.A-REI.2.4.b	Solve quadratic equations by inspection (e.g., for $x^2 = 49$), taking square roots, completing the square, the quadratic formula and factoring, as appropriate to the initial form of the equation. Recognize when the quadratic formula gives complex solutions and write them as $a \pm bi$ for real numbers a and b.	Quadratic Expressions and Equations > Solve Quadratics > Discover > Investigate > Investigation 5: Getting to the Root of It All https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/15b49fc1-c67b-43b0-bce4-42fc1614ec3c/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/93257662-8298-4020-a4af-1cdde9d67ea0

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MAFS.912.A-REI.2.4.b	Solve quadratic equations by inspection (e.g., for $x^2 = 49$), taking square roots, completing the square, the quadratic formula and factoring, as appropriate to the initial form of the equation. Recognize when the quadratic formula gives complex solutions and write them as a ± bi for real numbers a and b.	Quadratic Expressions and Equations > Solve Quadratics > Discover > Investigate > Investigation 3: Estimating Roots https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/15b49fc1-c67b-43b0-bce4-42fc1614ec3c/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9a2fee1d-e836-4c4d-a1dd-99f54b67bcb4
MAFS.912.A-REI.2.4.b	Solve quadratic equations by inspection (e.g., for $x^2 = 49$), taking square roots, completing the square, the quadratic formula and factoring, as appropriate to the initial form of the equation. Recognize when the quadratic formula gives complex solutions and write them as a ± bi for real numbers a and b.	Quadratic Expressions and Equations > Analyze Quadratic Equations > Discover > Investigate > Investigation 1: Developing the Quadratic Formula https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/0ad7574c-9c57-434b-9557-4d0b1de2f5b4/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a689024f-1434-4583-9d04-87ac86bf9a93
MAFS.912.A-REI.3.5	Prove that, given a system of two equations in two variables, replacing one equation by the sum of that equation and a multiple of the other produces a system with the same solutions.	Systems of Equations and Inequalities > Solve Systems of Equations and Inequalities > Discover > Investigate > Investigation 3: Which Tablet Should Kara Buy? https://app.discoveryeducation.com/learn/techbook/units/f5934bea-65d1-4dcd-9307-e20b8e485435/concepts/396921d6-386c-434e-bf2f-4da7e4b55eaf/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/3da42943-b7b5-4943-9ca7-46e8c8b7edbc
MAFS.912.A-REI.3.6	Solve systems of linear equations exactly and approximately (e.g., with graphs), focusing on pairs of linear equations in two variables.	Systems of Equations and Inequalities > Solve Systems of Equations and Inequalities > Discover > Engage: Decisions, Decisions https://app.discoveryeducation.com/learn/techbook/units/f5934bea-65d1-4dcd-9307-e20b8e485435/concepts/396921d6-386c-434e-bf2f-4da7e4b55eaf/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/33189c51-dfe2-4bea-9d14-a3d73decf448

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MAFS.912.A-REI.3.6	Solve systems of linear equations exactly and approximately (e.g., with graphs), focusing on pairs of linear equations in two variables.	Systems of Equations and Inequalities > Solve Systems of Equations and Inequalities > Discover > Investigate > Investigation 1: Road Trip: The Sequel https://app.discoveryeducation.com/learn/techbook/units/f5934bea-65d1-4dcd-9307-e20b8e485435/concepts/396921d6-386c-434e-bf2f-4da7e4b55eaf/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/8f97c576-cc67-4f14-82bc-74efc4a28dc4
MAFS.912.A-REI.3.7:	Solve a simple system consisting of a linear equation and a quadratic equation in two variables algebraically and graphically. *For example, find the points of intersection between the line $y = -3x$ and the circle $x^2 + y^2 = 3$.*	Graphs of Quadratic Functions > Analyze Graphs of Quadratic Functions > Apply > Apply 3: How Can You Design a Winning Ski Jump? https://app.discoveryeducation.com/learn/techbook/units/0925723a-be67-4141-9a25-dd90a4b04b68/concepts/5b69ca7e-3376-4bfd-b785-59a5c91e3227/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/2086CA01-78BC-490A-9E64-9509A01143CE
MAFS.912.A-REI.4.10	Understand that the graph of an equation in two variables is the set of all its solutions plotted in the coordinate plane, often forming a curve (which could be a line).	Graphs of Functions > Analyze Graphs of Functions > Discover > Investigate > Investigation 2: Underwater Cameras https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d65bbedb-74e4-4867-9d5f-de8f06b07c68/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/bc970838-163a-40d9-8284-a9bfeadf6d6e
MAFS.912.A-REI.4.10	Understand that the graph of an equation in two variables is the set of all its solutions plotted in the coordinate plane, often forming a curve (which could be a line).	Quadratic Expressions and Equations > Solve Quadratics > Discover > Engage: What Goes Up Must Come Down https://app.discoveryeducation.com/learn/techbook/units/E0436636-7C56-4366-AD38-94DD82335E6D/concepts/15B49FC1-C67B-43B0-BCE4-42FC1614EC3C

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MAFS.912.A-REI.4.11	Explain why the x-coordinates of the points where the graphs of the equations $y = f(x)$ and $y = g(x)$ intersect are the solutions of the equation $f(x) = g(x)$; find the solutions approximately, e.g., using technology to graph the functions, make tables of values, or find successive approximations. Include cases where $f(x)$ and/or $g(x)$ are linear, polynomial, rational, absolute value, exponential, and logarithmic functions.	Systems of Equations and Inequalities > Solve Systems of Equations and Inequalities > Discover > Engage: Decision, Decisions https://app.discoveryeducation.com/learn/techbook/units/F5934BEA-65D1-4DCD-9307-E20B8E485435/concepts/396921D6-386C-434E-BF2F-4DA7E4B55EAF
MAFS.912.A-REI.4.11	Explain why the x-coordinates of the points where the graphs of the equations $y = f(x)$ and $y = g(x)$ intersect are the solutions of the equation $f(x) = g(x)$; find the solutions approximately, e.g., using technology to graph the functions, make tables of values, or find successive approximations. Include cases where $f(x)$ and/or $g(x)$ are linear, polynomial, rational, absolute value, exponential, and logarithmic functions.	Quadratic Expressions and Equations > Solve Quadratics > Discover > Engage: What Goes Up Must Come Down https://app.discoveryeducation.com/learn/techbook/units/E0436636-7C56-4366-AD38-94DD82335E6D/concepts/15B49FC1-C67B-43B0-BCE4-42FC1614EC3C
MAFS.912.A-REI.4.11	Explain why the x-coordinates of the points where the graphs of the equations $y = f(x)$ and $y = g(x)$ intersect are the solutions of the equation $f(x) = g(x)$; find the solutions approximately, e.g., using technology to graph the functions, make tables of values, or find successive approximations. Include cases where $f(x)$ and/or $g(x)$ are linear, polynomial, rational, absolute value, exponential, and logarithmic functions.	Exponential Functions > Analyze Exponential Growth and Decay Models > Discover > Engage: Breaking the Bank https://app.discoveryeducation.com/learn/techbook/units/208C1A2E-B739-45D1-99EC-7C52C4CC2803/concepts/ACF55661-F77A-4227-AA2A-DCF6C4BF6428

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MAFS.912.A-REI.4.12	Graph the solutions to a linear inequality in two variables as a half-plane (excluding the boundary in the case of a strict inequality), and graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half-planes.	Systems of Equations and Inequalities > Solve Systems of Equations and Inequalities > Discover > Investigate > Investigation 5: Systems of Linear Inequalities https://app.discoveryeducation.com/learn/techbook/units/f5934bea-65d1-4dcd-9307-e20b8e485435/concepts/396921d6-386c-434e-bf2f-4da7e4b55eaf/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/fb907c88-ad48-4467-aee7-c625955b6c6b
MAFS.912.A-SSE.1.1.a	Interpret parts of an expression, such as terms, factors, and coefficients.	Foundations of Algebra > Analyze Expressions and Equations > Discover > Engage: Can You Model Motion? https://app.discoveryeducation.com/learn/techbook/units/1E607700-D53C-4397-8807-009CA9A0B724/concepts/EA6C2374-A92C-4733-A073-24013FF68202
MAFS.912.A-SSE.1.1.a	Interpret parts of an expression, such as terms, factors, and coefficients.	Foundations of Algebra > Reason with Expressions and Equations > Discover > Investigate > Investigation 2: Pumpkin Launch! https://app.discoveryeducation.com/learn/techbook/units/1e607700-d53c-4397-8807-009ca9a0b724/concepts/7b35dde1-e23e-49b0-8f82-34f8b3bb5788/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/cd9e4211-f0b7-446f-a46a-2cba9a82ad1c
MAFS.912.A-SSE.1.1.a	Interpret parts of an expression, such as terms, factors, and coefficients.	Foundations of Algebra > Apply > Apply and Evaluate Expressions and Equations > Discover > Investigate > Investigation 2: Money Makes Money! https://app.discoveryeducation.com/learn/techbook/units/1e607700-d53c-4397-8807-009ca9a0b724/concepts/48e1d8bc-34d9-4257-bcc5-b328e4b2ee81/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/3626ac67-a871-4535-acb8-de43b7a56a24

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MAFS.912.A-SSE.1.1.b	Interpret complicated expressions by viewing one or more of their parts as a single entity.	Foundations of Algebra > Reason with Expressions and Equations > Engage: So, You Want To See a Trick? https://app.discoveryeducation.com/learn/techbook/units/1e607700-d53c-4397-8807-009ca9a0b724/concepts/7b35dde1-e23e-49b0-8f82-34f8b3bb5788/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/35791fd9-52bd-4285-80a9-718d6c0dc469
MAFS.912.A-SSE.1.1.b	Interpret complicated expressions by viewing one or more of their parts as a single entity.	Exponential Functions > Analyze Exponential Growth and Decay Models > Discover > Investigate > Investigation 2: Explore Compound Interest https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/acf55661-f77a-4227-aa2a-dcf6c4bf6428/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6d200666-5a21-432b-9271-38c206d8f486
MAFS.912.A-SSE.1.1.b	Interpret complicated expressions by viewing one or more of their parts as a single entity.	Polynomials > Perform Operations on Polynomials > Discover > Investigate > Investigation 1: Vital Capacity https://app.discoveryeducation.com/learn/techbook/units/d8084513-aa24-4d2d-bb08-4c5bd33da078/concepts/cb46fbe4-0505-4cb3-8690-5f84aaf9a864/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/add0bbef-d7af-4e95-9c0e-d6e89bbaa4db
MAFS.912.A-SSE.1.2	Use the structure of an expression to identify ways to rewrite it.	Polynomials > Perform Operations on Polynomials > Discover > Investigate > Investigation 3: Oxygen Consumption https://app.discoveryeducation.com/learn/techbook/units/d8084513-aa24-4d2d-bb08-4c5bd33da078/concepts/cb46fbe4-0505-4cb3-8690-5f84aaf9a864/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a843b5af-1a85-4f1c-a26e-74a0b9fe8231

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MAFS.912.A-SSE.1.2	Use the structure of an expression to identify ways to rewrite it.	Polynomials > Perform Operations on Polynomials > Discover > Investigate > Investigation 4: Brainercise? https://app.discoveryeducation.com/learn/techbook/units/d8084513-aa24-4d2d-bb08-4c5bd33da078/concepts/cb46fbe4-0505-4cb3-8690-5f84aaf9a864/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/c88f4584-8351-47bd-936b-27f9ec6106de
MAFS.912.A-SSE.1.2	Use the structure of an expression to identify ways to rewrite it.	Polynomials > Factor Polynomials > Discover > Investigate > Investigation 1: Factors Remix https://app.discoveryeducation.com/learn/techbook/units/d8084513-aa24-4d2d-bb08-4c5bd33da078/concepts/e71794b7-ecdf-4f32-aa0c-cb7e962dee21/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/8cd664aa-36cf-4332-96b8-fc01f3944a88
MAFS.912.A-SSE.2.3.a	Factor a quadratic expression to reveal the zeros of the function it defines.	Polynomials > Factor Polynomials > Discover > Investigate > Investigation 2: Uncover Hidden Structures https://app.discoveryeducation.com/learn/techbook/units/d8084513-aa24-4d2d-bb08-4c5bd33da078/concepts/e71794b7-ecdf-4f32-aa0c-cb7e962dee21/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/020c5f9c-6bfe-4414-b4cd-bc3c14b5524f
MAFS.912.A-SSE.2.3.a	Factor a quadratic expression to reveal the zeros of the function it defines.	Polynomials > Factor Polynomials > Discover > Investigate > Investigation 4: Puzzling Trinomials – Part 1 https://app.discoveryeducation.com/learn/techbook/units/d8084513-aa24-4d2d-bb08-4c5bd33da078/concepts/e71794b7-ecdf-4f32-aa0c-cb7e962dee21/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9b2d9a9d-b1df-4fae-9be9-413db6570e68

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MAFS.912.A-SSE.2.3.a	Factor a quadratic expression to reveal the zeros of the function it defines.	Polynomials > Factor Polynomials > Discover > Investigate > Investigation 5: Puzzling Trinomials – Part 2 https://app.discoveryeducation.com/learn/techbook/units/d8084513-aa24-4d2d-bb08-4c5bd33da078/concepts/e71794b7-ecdf-4f32-aa0c-cb7e962dee21/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9526d8a6-5e2b-481a-b43c-b511fafc723c
MAFS.912.A-SSE.2.3.b	Complete the square in a quadratic expression to reveal the maximum or minimum value of the function it defines.	Quadratic Expressions and Equations > Analyze Quadratic Equations > Discover > Investigate > Investigation 1: Developing the Quadratic Formula https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/0ad7574c-9c57-434b-9557-4d0b1de2f5b4/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a689024f-1434-4583-9d04-87ac86bf9a93
MAFS.912.A-SSE.2.3.c	Use the properties of exponents to transform expressions for exponential functions.	Exponential Functions > Analyze Exponential Growth and Decay Models > Discover > Investigate > Investigation 5: Rewriting Exponential Functions https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/acf55661-f77a-4227-aa2a-dcf6c4bf6428/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/59762709-c271-4135-b101-92215190af43
MAFS.912.A-SSE.2.3.c	Use the properties of exponents to transform expressions for exponential functions.	Nonlinear Functions > Investigate Rational Exponents > Discover > Investigate > Investigation 1: A Radical Change https://app.discoveryeducation.com/learn/techbook/units/ad84848e-019b-47d2-9030-15c28d403e01/concepts/b90d9add-f2c2-4a65-bdaa-24e867b97290/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/f7789424-e275-4d84-a386-8b42c489ae0b

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MAFS.912.A-SSE.2.3.c	Use the properties of exponents to transform expressions for exponential functions.	Nonlinear Functions > Investigate Rational Exponents > Discover > Investigate > Investigation 3: Radical Properties https://app.discoveryeducation.com/learn/techbook/units/ad84848e-019b-47d2-9030-15c28d403e01/concepts/b90d9add-f2c2-4a65-bdaa-24e867b97290/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/01d9e020-0228-47b9-92a3-61ffa9c75c85
MAFS.912.A-SSE.2.4:	Derive the formula for the sum of a finite geometric series (when the common ratio is not 1), and use the formula to solve problems. For example, calculate mortgage payments. ★	Recursive, Explicit, and Inverse Functions > Explore Recursive Functions > Investigate > Investigation 5 : Repeated Triangles https://app.discoveryeducation.com/learn/techbook/units/43d085d2-c860-4b6c-8699-710b30ba37f0/concepts/b185454e-c318-48a5-8f6d-f1e2aac795a5/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/4b37e3fe-0527-4850-83f4-5b9b8aa97941
MAFS.912.A-SSE.2.4:	Derive the formula for the sum of a finite geometric series (when the common ratio is not 1), and use the formula to solve problems. For example, calculate mortgage payments. ★	Recursive, Explicit, and Inverse Functions > Explore Recursive Functions > Apply > Apply 2: What Are the Key Features of the Sierpinski Tetrahedron? https://app.discoveryeducation.com/learn/techbook/units/43d085d2-c860-4b6c-8699-710b30ba37f0/concepts/b185454e-c318-48a5-8f6d-f1e2aac795a5/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/38702C7A-333E-469A-B118-ECEF5A30D7BF
MAFS.912.A-SSE.2.4:	Derive the formula for the sum of a finite geometric series (when the common ratio is not 1), and use the formula to solve problems. For example, calculate mortgage payments. ★	Recursive, Explicit, and Inverse Functions > Explore Recursive Functions > Investigate > Investigation 5 : Repeated Triangles > Check for Understanding PDF https://app.discoveryeducation.com/learn/player/5CF83738-E982-4812-A276-ABB6F1CE446B

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MAFS.912.F-BF.1.1.a	Determine an explicit expression, a recursive process, or steps for calculation from a context.	Functions > Analyze Arithmetic Sequences and Linear Functions > Discover > Investigate > Investigation 2: The Pentagon https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/c49271e8-3b36-463c-8687-00b3295161d8/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/b18c29d8-80fd-4f93-af83-534bf3f52af5
MAFS.912.F-BF.1.1.a	Determine an explicit expression, a recursive process, or steps for calculation from a context.	Functions > Analyze Geometric Sequences and Exponential Functions > Discover > Investigate > Investigation 2: Modeling Half-Life https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/270726ec-72cc-4bd4-abf7-d9499bea9d0e/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6ed67b9e-72a8-4b62-9bc7-5ba1953e8265
MAFS.912.F-BF.1.1.a	Determine an explicit expression, a recursive process, or steps for calculation from a context.	Exponential Functions > Represent Exponential Functions > Discover > Investigate > Investigation 1: Interpreting Exponential Functions https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/e4851cf4-ca16-4de6-b348-63f4dfd19208/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9ab6ed63-bdb2-4aa5-b01c-93ae4baea2a2
MAFS.912.F-BF.1.1.b	Combine standard function types using arithmetic operations.	Graphs of Functions > Analyze Graphs of Functions > Discover > Investigate > Investigation 2: Underwater Cameras https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d65bbedb-74e4-4867-9d5f-de8f06b07c68/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/bc970838-163a-40d9-8284-a9bfeadf6d6e

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MAFS.912.F-BF.1.1.b	Combine standard function types using arithmetic operations.	Exponential Functions > Represent Exponential Functions > Discover > Investigate > Investigation 2: Exploring Transformations https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/e4851cf4-ca16-4de6-b348-63f4dfd19208/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/25b81393-868e-4f12-8359-8c6b7985ce2e
MAFS.912.F-BF.1.1.c	Compose functions.	Graphs of Functions > Analyze Graphs of Functions > Discover > Investigate > Investigation 1: Density https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d65bbedb-74e4-4867-9d5f-de8f06b07c68/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6220e34b-8414-40b5-a008-a58a74fb392a
MAFS.912.F-BF.1.1.c	Compose functions.	Graphs of Functions > Analyze Graphs of Functions > Discover > Investigate > Investigation 2: Underwater Cameras https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d65bbedb-74e4-4867-9d5f-de8f06b07c68/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/bc970838-163a-40d9-8284-a9bfeadf6d6e
MAFS.912.F-BF.1.2:	Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. ★	Recursive, Explicit, and Inverse Functions > Explore Recursive Functions> Investigate> Investigation 1: Seating Arrangements https://app.discoveryeducation.com/learn/techbook/units/43d085d2-c860-4b6c-8699-710b30ba37f0/concepts/b185454e-c318-48a5-8f6d-f1e2aac795a5/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/8d627611-ee05-4a38-af5c-a9487eecd732

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MAFS.912.F-BF.1.2:	Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. ★	Recursive, Explicit, and Inverse Functions > Explore Recursive Functions> Investigate> Investigation 3: Paper Tearing https://app.discoveryeducation.com/learn/techbook/units/43d085d2-c860-4b6c-8699-710b30ba37f0/concepts/b185454e-c318-48a5-8f6d-f1e2aac795a5/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6d1fa901-9562-4413-b368-0b03be8e4cde
MAFS.912.F-BF.1.2:	Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. ★	Functions > Analyze Arithmetic Sequences and Linear Functions > Investigate > Investigation 2: The Pentagon https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/c49271e8-3b36-463c-8687-00b3295161d8/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/b18c29d8-80fd-4f93-af83-534bf3f52af5
MAFS.912.F-BF.1.2:	Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. ★	Functions > Analyze Geometric Sequences and exponential Functions > Investigate> Investigation 3: Growth Rates https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/270726ec-72cc-4bd4-abf7-d9499bea9d0e/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9174086f-c6aa-4554-bd05-0310635d1ea8
MAFS.912.F-BF.2.3	Identify the effect on the graph of replacing f(x) by f(x) + k, k f(x), f(kx), and f(x + k) for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology.	Graphs of Functions > Analyze Graphs of Functions > Discover > Investigate > Investigation 3: Transforming Graphs https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d65bbedb-74e4-4867-9d5f-de8f06b07c68/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/fb4cd2ea-f08b-4721-aed9-b7e01557f74d

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MAFS.912.F-BF.2.3	Identify the effect on the graph of replacing f(x) by f(x) + k, k f(x), f(kx), and f(x + k) for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology.	Graphs of Quadratic Functions > Analyze Graphs of Quadratic Functions > Discover > Investigate > Investigation 2: Exploring Transformations of Quadratic Functions https://app.discoveryeducation.com/learn/techbook/units/0925723a-be67-4141-9a25-dd90a4b04b68/concepts/5b69ca7e-3376-4bfd-b785-59a5c91e3227/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/2cbb5b9e-9d8c-4932-bec8-3062413bf27a
MAFS.912.F-BF.2.3	Identify the effect on the graph of replacing f(x) by f(x) + k, k f(x), f(kx), and f(x + k) for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology.	Nonlinear Functions > Investigate Square Root and Cube Root Functions > Discover > Investigate > Investigation 2: Radical Transformers https://app.discoveryeducation.com/learn/techbook/units/ad84848e-019b-47d2-9030-15c28d403e01/concepts/42bd76c1-61df-4927-af52-f0e3c5fd0850/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/268da69a-1b18-4893-ade5-42e00183920b
MAFS.912.F-IF.1.1	Understand that a function from one set (called the domain) to another set (called the range) assigns to each element of the domain exactly one element of the range. If f is a function and x is an element of its domain, then f(x) denotes the output of f corresponding to the input x. The graph of f is the graph of the equation y = f(x).	Functions > Understand and Interpret Functions > Discover > Investigate > Investigation 3: The Ins and Outs of Functions https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/d4980301-9a95-48ac-8553-f5e5218d80a2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/579c0b60-b7ac-4593-bfce-6493db1cfe21
MAFS.912.F-IF.1.1	Understand that a function from one set (called the domain) to another set (called the range) assigns to each element of the domain exactly one element of the range. If f is a function and x is an element of its domain, then f(x) denotes the output of f corresponding to the input x. The graph of f is the graph of the equation y = f(x).	Graphs of Functions > Analyze Graphs of Functions > Discover > Investigate > Investigation 1: Density https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d65bbedb-74e4-4867-9d5f-de8f06b07c68/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6220e34b-8414-40b5-a008-a58a74fb392a

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MAFS.912.F-IF.1.2	Use function notation, evaluate functions for inputs in their domains, and interpret statements that use function notation in terms of a context.	Functions > Understand and Interpret Functions > Discover > Investigate > Investigation 4: Pseudonyms https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/d4980301-9a95-48ac-8553-f5e5218d80a2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/8973f25d-0427-493c-ae5b-0555f1f5636a
MAFS.912.F-IF.1.2	Use function notation, evaluate functions for inputs in their domains, and interpret statements that use function notation in terms of a context.	Graphs of Functions > Analyze Graphs of Functions > Discover > Investigate > Investigation 2: Underwater Cameras https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d65bbedb-74e4-4867-9d5f-de8f06b07c68/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/bc970838-163a-40d9-8284-a9bfeadf6d6e
MAFS.912.F-IF.1.3	Recognize that sequences are functions, sometimes defined recursively, whose domain is a subset of the integers.	Functions > Analyze Arithmetic Sequences and Linear Functions > Discover > Investigate > Investigation 3: Skyscrapers https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/c49271e8-3b36-463c-8687-00b3295161d8/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/c26e5223-7737-42b5-b220-c806b1e64342
MAFS.912.F-IF.1.3	Recognize that sequences are functions, sometimes defined recursively, whose domain is a subset of the integers.	Functions > Analyze Arithmetic Sequences and Linear Functions > Discover > Investigate > Investigation 1: Thirsty Hikers https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/c49271e8-3b36-463c-8687-00b3295161d8/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a3bd5706-295d-4cd0-962c-c8c7e21cdb63

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MAFS.912.F-IF.1.3	Recognize that sequences are functions, sometimes defined recursively, whose domain is a subset of the integers.	Functions > Analyze Geometric Sequences and Exponential Functions > Discover > Investigate > Investigation 1: Elvis's Race https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/270726ec-72cc-4bd4-abf7-d9499bea9d0e/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/c187fe6b-73c8-4ab7-9c25-e85fa20f41da
MAFS.912.F-IF.2.4	For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship.	Graphs of Functions > Compare Graphs of Linear and Exponential Functions > Discover > Engage: Battery Decay https://app.discoveryeducation.com/learn/techbook/units/299EA4E1-9334-48E6-B9C6-625F98A94642/concepts/D95D3395-F81C-4D76-8109-0E168A63F518
MAFS.912.F-IF.2.4	For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship.	Graphs of Functions > Compare Graphs of Linear and Exponential Functions > Discover > Investigate > Investigation 3: Geometric Patterns https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d95d3395-f81c-4d76-8109-0e168a63f518/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/e3ec8ad3-c94b-4d13-9f68-16706afd802d
MAFS.912.F-IF.2.4	For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship.	Exponential Functions > Represent Exponential Functions > Discover > Investigate > Investigation 1: Interpreting Exponential Functions https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/e4851cf4-ca16-4de6-b348-63f4dfd19208/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9ab6ed63-bdb2-4aa5-b01c-93ae4baea2a2
MAFS.912.F-IF.2.5	Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes.	Graphs of Functions > Analyze Graphs of Functions > Discover > Engage: Roller Coaster https://app.discoveryeducation.com/learn/techbook/units/299EA4E1-9334-

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		48E6-B9C6-625F98A94642/concepts/D65BBEDB-74E4-4867-9D5F-DE8F06B07C68
MAFS.912.F-IF.2.5	Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes.	Graphs of Quadratic Functions > Analyze Graphs of Quadratic Functions > Discover > Investigate > Investigation 1: Exploring Graphs of Quadratic Functions https://app.discoveryeducation.com/learn/techbook/units/0925723a-be67-4141-9a25-dd90a4b04b68/concepts/5b69ca7e-3376-4bfd-b785-59a5c91e3227/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/86171a0a-d1c6-4128-801b-2b1d2122d56d
MAFS.912.F-IF.2.5	Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes.	Exponential Functions > Represent Exponential Functions > Discover > Investigate > Investigation 1: Interpreting Exponential Functions https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/e4851cf4-ca16-4de6-b348-63f4dfd19208/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9ab6ed63-bdb2-4aa5-b01c-93ae4baea2a2
MAFS.912.F-IF.2.6	Calculate and interpret the average rate of change of a function (presented symbolically or as a table) over a specified interval. Estimate the rate of change from a graph.	Functions > Analyze Arithmetic Sequences and Linear Functions > Discover > Investigate > Investigation 3: Skyscrapers https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/c49271e8-3b36-463c-8687-00b3295161d8/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/c26e5223-7737-42b5-b220-c806b1e64342

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MAFS.912.F-IF.2.6	Calculate and interpret the average rate of change of a function (presented symbolically or as a table) over a specified interval. Estimate the rate of change from a graph.	Functions > Analyze Geometric Sequences and Exponential Functions > Discover > Investigate > Investigation 3: Growth Rates https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/270726ec-72cc-4bd4-abf7-d9499bea9d0e/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9174086f-c6aa-4554-bd05-0310635d1ea8
MAFS.912.F-IF.2.6	Calculate and interpret the average rate of change of a function (presented symbolically or as a table) over a specified interval. Estimate the rate of change from a graph.	Graphs of Functions > Analyze Graphs of Functions > Discover > Engage: Roller Coaster https://app.discoveryeducation.com/learn/techbook/units/299EA4E1-9334-48E6-B9C6-625F98A94642/concepts/D65BBEDB-74E4-4867-9D5F-DE8F06B07C68
MAFS.912.F-IF.3.7.a	Graph linear and quadratic functions and show intercepts, maxima, and minima.	Quadratic Expressions and Equations > Analyze Quadratic Equations > Discover > Investigate > Investigation 3: Using the Quadratic Formula https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/0ad7574c-9c57-434b-9557-4d0b1de2f5b4/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/26464796-eac4-4174-8245-f986a5d96f0d
MAFS.912.F-IF.3.7.a	Graph linear and quadratic functions and show intercepts, maxima, and minima.	Graphs of Quadratic Functions > Analyze Graphs of Quadratic Functions > Discover > Investigate > Investigation 4: Modeling with a Quadratic Function https://app.discoveryeducation.com/learn/techbook/units/0925723a-be67-4141-9a25-dd90a4b04b68/concepts/5b69ca7e-3376-4bfd-b785-59a5c91e3227/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/035f961c-8461-40bb-9af8-5ba65a27f5b4

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MAFS.912.F-IF.3.7.a	Graph linear and quadratic functions and show intercepts, maxima, and minima.	Graphs of Quadratic Functions > Analyze Graphs of Quadratic Functions > Discover > Investigate > Investigation 5: Interpreting Forms of Quadratic Functions https://app.discoveryeducation.com/learn/techbook/units/0925723a-be67-4141-9a25-dd90a4b04b68/concepts/5b69ca7e-3376-4bfd-b785-59a5c91e3227/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/5aa72f5a-b68a-41bb-bd52-6f439d77284e
MAFS.912.F-IF.3.7.b	Graph square root, cube root, and piecewise-defined functions, including step functions and absolute value functions.	Nonlinear Functions > Create and Analyze Piecewise Functions > Discover > Investigate > Investigation 2: Mount Everest Expedition https://app.discoveryeducation.com/learn/techbook/units/ad84848e-019b-47d2-9030-15c28d403e01/concepts/53ce0f9f-1bc0-4a28-9100-d716c727703a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d673452c-0500-4720-93d0-68f569cd6080
MAFS.912.F-IF.3.7.b	Graph square root, cube root, and piecewise-defined functions, including step functions and absolute value functions.	Nonlinear Functions > Create and Analyze Piecewise Functions > Discover > Investigate > Investigation 3: Rube Goldberg Machine https://app.discoveryeducation.com/learn/techbook/units/ad84848e-019b-47d2-9030-15c28d403e01/concepts/53ce0f9f-1bc0-4a28-9100-d716c727703a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/4c2de9e5-2c0a-4593-8a3e-45c36067d3ff
MAFS.912.F-IF.3.7.b	Graph square root, cube root, and piecewise-defined functions, including step functions and absolute value functions.	Nonlinear Functions > Investigate Square Root and Cube Root Functions > Discover > Investigate > Investigation 1: Getting to the Root of the Graphs! https://app.discoveryeducation.com/learn/techbook/units/ad84848e-019b-47d2-9030-15c28d403e01/concepts/42bd76c1-61df-4927-af52-f0e3c5fd0850/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/cc4cb159-adf3-4790-a89b-4c9d9565d14c

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MAFS.912.F-IF.3.7.c	Graph polynomial functions, identifying zeros when suitable factorizations are available, and showing end behavior.	Graphs of Quadratic Functions > Analyze Graphs of Quadratic Functions > Discover > Investigate > Investigation 3: Finding Vertex Form https://app.discoveryeducation.com/learn/techbook/units/0925723a-be67-4141-9a25-dd90a4b04b68/concepts/5b69ca7e-3376-4bfd-b785-59a5c91e3227/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/24829b85-93e4-4d15-b44c-1621535d4dbb
MAFS.912.F-IF.3.7.c	Graph polynomial functions, identifying zeros when suitable factorizations are available, and showing end behavior.	Graphs of Quadratic Functions > Analyze Graphs of Quadratic Functions > Discover > Investigate > Investigation 4: Modeling with a Quadratic Function https://app.discoveryeducation.com/learn/techbook/units/0925723a-be67-4141-9a25-dd90a4b04b68/concepts/5b69ca7e-3376-4bfd-b785-59a5c91e3227/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/035f961c-8461-40bb-9af8-5ba65a27f5b4
MAFS.912.F-IF.3.7.c	Graph polynomial functions, identifying zeros when suitable factorizations are available, and showing end behavior.	Graphs of Quadratic Functions > Analyze Graphs of Quadratic Functions > Discover > Investigate > Investigation 5: Interpreting Forms of Quadratic Functions https://app.discoveryeducation.com/learn/techbook/units/0925723a-be67-4141-9a25-dd90a4b04b68/concepts/5b69ca7e-3376-4bfd-b785-59a5c91e3227/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/5aa72f5a-b68a-41bb-bd52-6f439d77284e
MAFS.912.F-IF.3.7.d	Graph rational functions, identifying zeros and asymptotes when suitable factorizations are available, and showing end behavior.	Rational Expressions and Equations > Solve Rational Equations > Discover > Investigation > Investigation 4: Inverse Variation https://app.discoveryeducation.com/learn/techbook/units/2664722c-c3a1-4057-91de-c20cc107656b/concepts/2444e72a-be09-4a3b-8785-2ecf2e1e75a3/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/35988007-8dee-429e-be96-c43c91859e5e

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MAFS.912.F-IF.3.7.e	Graph exponential and logarithmic functions, showing intercepts and end behavior, and trigonometric functions, showing period, midline, and amplitude, and using phase shift.	Graphs of Functions > Analyze Graphs of Functions > Discover > Investigate > Investigation 3: Transforming Graphs https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d65bbedb-74e4-4867-9d5f-de8f06b07c68/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/fb4cd2ea-f08b-4721-aed9-b7e01557f74d
MAFS.912.F-IF.3.7.e	Graph exponential and logarithmic functions, showing intercepts and end behavior, and trigonometric functions, showing period, midline, and amplitude, and using phase shift.	Exponential Functions > Represent Exponential Functions > Discover > Investigate > Investigation 1: Interpreting Exponential Functions https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/e4851cf4-ca16-4de6-b348-63f4dfd19208/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9ab6ed63-bdb2-4aa5-b01c-93ae4baea2a2
MAFS.912.F-IF.3.7.e	Graph exponential and logarithmic functions, showing intercepts and end behavior, and trigonometric functions, showing period, midline, and amplitude, and using phase shift.	Exponential Functions > Represent Exponential Functions > Discover > Investigate > Investigation 3: Comparing Linear, Exponential, and Quadratic Functions https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/e4851cf4-ca16-4de6-b348-63f4dfd19208/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6159ef4e-9a20-4bdb-89f2-6e96d89ecc30
MAFS.912.F-IF.3.8.a	Use the process of factoring and completing the square in a quadratic function to show zeros, extreme values, and symmetry of the graph, and interpret these in terms of a context.	Quadratic Expressions and Equations > Solve Quadratics > Discover > Investigate > Investigation 5: Getting to the Root of It All https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/15b49fc1-c67b-43b0-bce4-42fc1614ec3c/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/93257662-8298-4020-a4af-1cdde9d67ea0

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MAFS.912.F-IF.3.8.a	Use the process of factoring and completing the square in a quadratic function to show zeros, extreme values, and symmetry of the graph, and interpret these in terms of a context.	Quadratic Expressions and Equations > Analyze Quadratic Equations > Discover > Engage: So… What If It Will Not Factor? https://app.discoveryeducation.com/learn/techbook/units/E0436636-7C56-4366-AD38-94DD82335E6D/concepts/0AD7574C-9C57-434B-9557-4D0B1DE2F5B4
MAFS.912.F-IF.3.8.a	Use the process of factoring and completing the square in a quadratic function to show zeros, extreme values, and symmetry of the graph, and interpret these in terms of a context.	Quadratic Expressions and Equations > Solve Quadratics > Discover > Investigate > Investigation 4: Solve Quadratic Equations by Completing the Square https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/15b49fc1-c67b-43b0-bce4-42fc1614ec3c/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/de4263d0-376b-4635-bc0b-86ad1be85fb3
MAFS.912.F-IF.3.8.b	Use the properties of exponents to interpret expressions for exponential functions.	Exponential Functions > Analyze Exponential Growth and Decay Models > Discover > Investigate > Investigation 1: Exponential Behavior https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/acf55661-f77a-4227-aa2a-dcf6c4bf6428/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/75293825-80d8-4081-b431-d76a541c5f5b
MAFS.912.F-IF.3.8.b	Use the properties of exponents to interpret expressions for exponential functions.	Exponential Functions > Analyze Exponential Growth and Decay Models > Discover > Investigate > Investigation 3: Using an Exponential Model https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/acf55661-f77a-4227-aa2a-dcf6c4bf6428/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/7bb0eb2a-b8eb-491f-b596-cd25a877cec2

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MAFS.912.F-IF.3.8.b	Use the properties of exponents to interpret expressions for exponential functions.	Exponential Functions > Analyze Exponential Growth and Decay Models > Discover > Investigate > Investigation 5: Rewriting Exponential Functions https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/acf55661-f77a-4227-aa2a-dcf6c4bf6428/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/59762709-c271-4135-b101-92215190af43
MAFS.912.F-IF.3.9	Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).	Graphs of Functions > Compare Graphs of Linear and Exponential Functions > Discover > Investigate > Investigation 1: Basketball https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d95d3395-f81c-4d76-8109-0e168a63f518/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6cd70571-804b-4daf-95cb-e559701c5720
MAFS.912.F-IF.3.9	Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).	Nonlinear Functions > Create and Analyze Piecewise Functions > Discover > Investigate > Investigation 3: Rube Goldberg Machine https://app.discoveryeducation.com/learn/techbook/units/ad84848e-019b-47d2-9030-15c28d403e01/concepts/53ce0f9f-1bc0-4a28-9100-d716c727703a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/4c2de9e5-2c0a-4593-8a3e-45c36067d3ff
MAFS.912.F-IF.3.9	Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).	Graphs of Quadratic Functions > Analyze Graphs of Quadratic Functions > Discover > Investigate > Investigation 2: Exploring Transformations of Quadratic Functions https://app.discoveryeducation.com/learn/techbook/units/0925723a-be67-4141-9a25-dd90a4b04b68/concepts/5b69ca7e-3376-4bfd-b785-59a5c91e3227/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/2cbb5b9e-9d8c-4932-bec8-3062413bf27a

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MAFS.912.F-LE.1.1.a	Prove that linear functions grow by equal differences over equal intervals, and that exponential functions grow by equal factors over equal intervals.	Graphs of Functions > Compare Graphs of Linear and Exponential Functions > Discover > Engage: Battery Decay https://app.discoveryeducation.com/learn/techbook/units/299EA4E1-9334-48E6-B9C6-625F98A94642/concepts/D95D3395-F81C-4D76-8109-0E168A63F518
MAFS.912.F-LE.1.1.a	Prove that linear functions grow by equal differences over equal intervals, and that exponential functions grow by equal factors over equal intervals.	Exponential Functions > Represent Exponential Functions > Discover > Investigate > Investigation 3: Comparing Linear, Exponential, and Quadratic Functions https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/e4851cf4-ca16-4de6-b348-63f4dfd19208/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6159ef4e-9a20-4bdb-89f2-6e96d89ecc30
MAFS.912.F-LE.1.1.a	Prove that linear functions grow by equal differences over equal intervals, and that exponential functions grow by equal factors over equal intervals.	Functions > Analyze Arithmetic Sequences and Linear Functions > Discover > Investigate > Investigation 1: Thirsty Hikers https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/c49271e8-3b36-463c-8687-00b3295161d8/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a3bd5706-295d-4cd0-962c-c8c7e21cdb63
MAFS.912.F-LE.1.1.b	Recognize situations in which one quantity changes at a constant rate per unit interval relative to another.	Functions > Analyze Arithmetic Sequences and Linear Functions > Discover > Investigate > Investigation 3: Skyscrapers https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/c49271e8-3b36-463c-8687-00b3295161d8/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/c26e5223-7737-42b5-b220-c806b1e64342

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MAFS.912.F-LE.1.1.b	Recognize situations in which one quantity changes at a constant rate per unit interval relative to another.	Graphs of Functions > Compare Graphs of Linear and Exponential Functions > Discover > Investigate > Investigation 2: Quilts https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d95d3395-f81c-4d76-8109-0e168a63f518/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/aea50294-3bf4-4ece-b806-4056f860d4c5
MAFS.912.F-LE.1.1.b	Recognize situations in which one quantity changes at a constant rate per unit interval relative to another.	Exponential Functions > Represent Exponential Functions > Discover > Investigate > Investigation 3: Comparing Linear, Exponential, and Quadratic Functions https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/e4851cf4-ca16-4de6-b348-63f4dfd19208/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6159ef4e-9a20-4bdb-89f2-6e96d89ecc30
MAFS.912.F-LE.1.1.c	Recognize situations in which a quantity grows or decays by a constant percent rate per unit interval relative to another.	Functions > Analyze Geometric Sequences and Exponential Functions > Discover > Investigate > Investigation 3: Growth Rates https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/270726ec-72cc-4bd4-abf7-d9499bea9d0e/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9174086f-c6aa-4554-bd05-0310635d1ea8
MAFS.912.F-LE.1.1.c	Recognize situations in which a quantity grows or decays by a constant percent rate per unit interval relative to another.	Exponential Functions > Analyze Exponential Growth and Decay Models > Discover > Investigate > Investigation 4: Comparing Exponential Models https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/acf55661-f77a-4227-aa2a-dcf6c4bf6428/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/84dbc4a6-067b-4000-ba7d-74fda60581e4

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MAFS.912.F-LE.1.2	Construct linear and exponential functions, including arithmetic and geometric sequences, given a graph, a description of a relationship, or two input-output pairs (include reading these from a table).	Functions > Analyze Arithmetic Sequences and Linear Functions > Discover > Investigate > Investigation 1: Thirsty Hikers https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/c49271e8-3b36-463c-8687-00b3295161d8/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a3bd5706-295d-4cd0-962c-c8c7e21cdb63
MAFS.912.F-LE.1.2	Construct linear and exponential functions, including arithmetic and geometric sequences, given a graph, a description of a relationship, or two input-output pairs (include reading these from a table).	Functions > Analyze Geometric Sequences and Exponential Functions > Discover > Investigate > Investigation 2: Modeling Half-Life https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/270726ec-72cc-4bd4-abf7-d9499bea9d0e/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6ed67b9e-72a8-4b62-9bc7-5ba1953e8265
MAFS.912.F-LE.1.3	Observe using graphs and tables that a quantity increasing exponentially eventually exceeds a quantity increasing linearly, quadratically, or (more generally) as a polynomial function.	Functions > Analyze Geometric Sequences and Exponential Functions > Discover > Investigate > Investigation 3: Growth Rates https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/270726ec-72cc-4bd4-abf7-d9499bea9d0e/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9174086f-c6aa-4554-bd05-0310635d1ea8
MAFS.912.F-LE.1.3	Observe using graphs and tables that a quantity increasing exponentially eventually exceeds a quantity increasing linearly, quadratically, or (more generally) as a polynomial function.	Graphs of Functions > Compare Graphs of Linear and Exponential Functions > Discover > Investigate > Investigation 2: Quilts https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d95d3395-f81c-4d76-8109-0e168a63f518/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/aea50294-3bf4-4ece-b806-4056f860d4c5

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MAFS.912.F-LE.1.3	Observe using graphs and tables that a quantity increasing exponentially eventually exceeds a quantity increasing linearly, quadratically, or (more generally) as a polynomial function.	Graphs of Quadratic Functions > Analyze Graphs of Quadratic Functions > Discover > Engage: Making Predictions from Data https://app.discoveryeducation.com/learn/techbook/units/0925723A-BE67-4141-9A25-DD90A4B04B68/concepts/5B69CA7E-3376-4BFD-B785-59A5C91E3227
MAFS.912.F-LE.2.5	Interpret the parameters in a linear or exponential function in terms of a context.	Functions > Understand and Interpret Functions > Discover > Investigate > Investigation 3: The Ins and Outs of Functions https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/d4980301-9a95-48ac-8553-f5e5218d80a2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/579c0b60-b7ac-4593-bfce-6493db1cfe21
MAFS.912.F-LE.2.5	Interpret the parameters in a linear or exponential function in terms of a context.	Functions > Analyze Geometric Sequences and Exponential Functions > Discover > Investigate > Investigation 3: Growth Rates https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/270726ec-72cc-4bd4-abf7-d9499bea9d0e/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9174086f-c6aa-4554-bd05-0310635d1ea8
MAFS.912.F-LE.2.5	Interpret the parameters in a linear or exponential function in terms of a context.	Graphs of Functions > Compare Graphs of Linear and Exponential Functions > Discover > Engage: Battery Decay https://app.discoveryeducation.com/learn/techbook/units/299EA4E1-9334-48E6-B9C6-625F98A94642/concepts/D95D3395-F81C-4D76-8109-0E168A63F518

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MAFS.912.N-Q.1.1	Use units as a way to understand problems and to guide the solution of multi-step problems; choose and interpret units consistently in formulas; choose and interpret the scale and the origin in graphs and data displays.	Foundations of Algebra > Analyze Expressions and Equations > Discover > Investigate > Investigation 3: Which Wireless Plan Should You Choose? https://app.discoveryeducation.com/learn/techbook/units/1e607700-d53c-4397-8807-009ca9a0b724/concepts/ea6c2374-a92c-4733-a073-24013ff68202/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/4255e165-15ef-43c7-bdfd-e98d0351dff8
MAFS.912.N-Q.1.1	Use units as a way to understand problems and to guide the solution of multi-step problems; choose and interpret units consistently in formulas; choose and interpret the scale and the origin in graphs and data displays.	Equations and Inequalities > Rewrite Literal Equations > Discover > Investigate > Investigation 2: Installing Aquariums https://app.discoveryeducation.com/learn/techbook/units/2556eb51-8cc2-42b3-808c-a85064f95b9b/concepts/f2924ea5-003e-4007-bc3f-f29af0738b32/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9d8fcaf8-2cb9-412d-ad2a-7be6febc026d
MAFS.912.N-Q.1.1	Use units as a way to understand problems and to guide the solution of multi-step problems; choose and interpret units consistently in formulas; choose and interpret the scale and the origin in graphs and data displays.	Foundations of Algebra > Apply > Apply and Evaluate Expressions and Equations > Discover > Investigate > Investigation 1: The Trip Continues https://app.discoveryeducation.com/learn/techbook/units/1e607700-d53c-4397-8807-009ca9a0b724/concepts/48e1d8bc-34d9-4257-bcc5-b328e4b2ee81/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/72185834-59f1-4690-803f-d35c9da62825
MAFS.912.N-Q.1.2	Define appropriate quantities for the purpose of descriptive modeling.	Foundations of Algebra > Reason with Expressions and Equations > Discover > Investigate > Investigation 2: Pumpkin Launch! https://app.discoveryeducation.com/learn/techbook/units/1e607700-d53c-4397-8807-009ca9a0b724/concepts/7b35dde1-e23e-49b0-8f82-34f8b3bb5788/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/cd9e4211-f0b7-446f-a46a-2cba9a82ad1c

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MAFS.912.N-Q.1.2	Define appropriate quantities for the purpose of descriptive modeling.	Equations and Inequalities > Rewrite Literal Equations > Discover > Investigate > Investigation 1: Exploring Literal Equations https://app.discoveryeducation.com/learn/techbook/units/2556eb51-8cc2-42b3-808c-a85064f95b9b/concepts/f2924ea5-003e-4007-bc3f-f29af0738b32/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/746e98ee-e34a-41b4-bb65-2db45143daa1
MAFS.912.N-Q.1.2	Define appropriate quantities for the purpose of descriptive modeling.	Foundations of Algebra > Analyze Expressions and Equations > Discover > Investigate > Investigation 1: Frames https://app.discoveryeducation.com/learn/techbook/units/1e607700-d53c-4397-8807-009ca9a0b724/concepts/ea6c2374-a92c-4733-a073-24013ff68202/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6c83527d-0472-45ef-b3e0-bb7d4398a4c5
MAFS.912.N-Q.1.3	Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.	Systems of Equations and Inequalities > Use Systems in Decision Making: Linear Programming > Discover > Investigate > Investigation 2: Hay Is for Horses https://app.discoveryeducation.com/learn/techbook/units/f5934bea-65d1-4dcd-9307-e20b8e485435/concepts/ace80bbf-21d4-470e-9789-8c3156ca6b51/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/dfd2f550-02e9-4eaa-bf60-82feb657a018
MAFS.912.N-RN.1.1	Explain how the definition of the meaning of rational exponents follows from extending the properties of integer exponents to those values, allowing for a notation for radicals in terms of rational exponents.	Nonlinear Functions > Investigate Rational Exponents > Discover > Investigate > Investigation 1: A Radical Change https://app.discoveryeducation.com/learn/techbook/units/ad84848e-019b-47d2-9030-15c28d403e01/concepts/b90d9add-f2c2-4a65-bdaa-24e867b97290/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/f7789424-e275-4d84-a386-8b42c489ae0b

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MAFS.912.N-RN.1.2	Rewrite expressions involving radicals and rational exponents using the properties of exponents.	Nonlinear Functions > Investigate Rational Exponents > Discover > Investigate > Investigation 2: Irrational Cubes https://app.discoveryeducation.com/learn/techbook/units/ad84848e-019b-47d2-9030-15c28d403e01/concepts/b90d9add-f2c2-4a65-bdaa-24e867b97290/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d90087d4-95e5-4fd5-949e-495a886c1761
MAFS.912.N-RN.1.2	Rewrite expressions involving radicals and rational exponents using the properties of exponents.	Nonlinear Functions > Investigate Rational Exponents > Discover > Investigate > Investigation 3: Radical Properties https://app.discoveryeducation.com/learn/techbook/units/ad84848e-019b-47d2-9030-15c28d403e01/concepts/b90d9add-f2c2-4a65-bdaa-24e867b97290/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/01d9e020-0228-47b9-92a3-61ffa9c75c85
MAFS.912.N-RN.1.2	Rewrite expressions involving radicals and rational exponents using the properties of exponents.	Polynomials > Perform Operations on Polynomials > Discover > Investigate > Investigation 1: Vital Capacity https://app.discoveryeducation.com/learn/techbook/units/d8084513-aa24-4d2d-bb08-4c5bd33da078/concepts/cb46fbe4-0505-4cb3-8690-5f84aaf9a864/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/add0bbef-d7af-4e95-9c0e-d6e89bbaa4db
MAFS.912.N-RN.2.3	Explain why the sum or product of two rational numbers is rational; that the sum of a rational number and an irrational number is irrational; and that the product of a nonzero rational number and an irrational number is irrational.	Quadratic Expressions and Equations > Solve Quadratics > Discover > Investigate > Investigation 5: Getting to the Root of It All https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/15b49fc1-c67b-43b0-bce4-42fc1614ec3c/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/93257662-8298-4020-a4af-1cdde9d67ea0

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MAFS.912.N-RN.2.3	Explain why the sum or product of two rational numbers is rational; that the sum of a rational number and an irrational number is irrational; and that the product of a nonzero rational number and an irrational number is irrational.	Quadratic Expressions and Equations > Analyze Quadratic Equations > Discover > Investigate > Investigation 3: Using the Quadratic Formula https://app.discoveryeducation.com/learn/techbook/units/e0436636-7c56-4366-ad38-94dd82335e6d/concepts/0ad7574c-9c57-434b-9557-4d0b1de2f5b4/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/26464796-eac4-4174-8245-f986a5d96f0d
MAFS.912.S-IC.1.1	Understand statistics as a process for making inferences about population parameters based on a random sample from that population.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Investigate > Investigation 1: Statistical Sampling Methods https://app.discoveryeducation.com/learn/techbook/units/952549ae-369f-4b9a-a58c-4ada0a987949/concepts/56db900e-880d-4ad7-9d77-aa44449cd92a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/f7a38e1e-273b-4832-9609-19e3ffba0370
MAFS.912.S-IC.1.1	Understand statistics as a process for making inferences about population parameters based on a random sample from that population.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Engage: Phone Contest https://app.discoveryeducation.com/learn/techbook/units/952549AE-369F-4B9A-A58C-4ADA0A987949/concepts/56DB900E-880D-4AD7-9D77-AA44449CD92A
MAFS.912.S-IC.1.2	Decide if a specified model is consistent with results from a given data-generating process, e.g., using simulation.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Investigate > Investigation 2: Modeling with Statistics https://app.discoveryeducation.com/learn/techbook/units/952549ae-369f-4b9a-a58c-4ada0a987949/concepts/56db900e-880d-4ad7-9d77-aa44449cd92a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/de8d68a0-35e1-469a-960e-36e8b209cb51

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MAFS.912.S-IC.2.3	Recognize the purposes of and differences among sample surveys, experiments, and observational studies; explain how randomization relates to each.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Investigate> Investigation 5: Observational Study vs Experiment https://app.discoveryeducation.com/learn/techbook/units/952549ae-369f-4b9a-a58c-4ada0a987949/concepts/56db900e-880d-4ad7-9d77-aa44449cd92a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/913a2aef-7ba5-4532-b538-0709ea5ee330
MAFS.912.S-IC.2.4	Use data from a sample survey to estimate a population mean or proportion; develop a margin of error through the use of simulation models for random sampling.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Investigate > Investigation 3: Sample Proportions https://app.discoveryeducation.com/learn/techbook/units/9ae85681-7b9e-415f-8715-ab4589444ee9/concepts/56db900e-880d-4ad7-9d77-aa44449cd92a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/15f2d380-da3d-40e2-bb87-d9ab34398df5
MAFS.912.S-IC.2.4	Use data from a sample survey to estimate a population mean or proportion; develop a margin of error through the use of simulation models for random sampling.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Investigate > Investigation 4: Sample Mean https://app.discoveryeducation.com/learn/techbook/units/9ae85681-7b9e-415f-8715-ab4589444ee9/concepts/56db900e-880d-4ad7-9d77-aa44449cd92a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/e64976ab-e010-4cd3-a815-24e95f72eef2
MAFS.912.S-IC.2.5	Use data from a randomized experiment to compare two treatments; use simulations to decide if differences between parameters are significant.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Investigate> Investigation 5: Observational Study vs Experiment https://app.discoveryeducation.com/learn/techbook/units/9ae85681-7b9e-415f-8715-ab4589444ee9/concepts/56db900e-880d-4ad7-9d77-aa44449cd92a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/913a2aef-7ba5-4532-b538-0709ea5ee330

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MAFS.912.S-IC.2.6	Evaluate reports based on data.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Investigate> Investigation 5: Observational Study vs Experiment https://app.discoveryeducation.com/learn/techbook/units/9ae85681-7b9e-415f-8715-ab4589444ee9/concepts/56db900e-880d-4ad7-9d77-aa44449cd92a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/913a2aef-7ba5-4532-b538-0709ea5ee330
MAFS.912.S-ID.1.1	Represent data with plots on the real number line (dot plots, histograms, and box plots).	Descriptive Statistics > Represent and Analyze Data > Discover > Engage: Are Cereals Really That Different? https://app.discoveryeducation.com/learn/techbook/units/508F463E-3311-4408-AF60-CDE4F2B929FB/concepts/A6172201-A9B3-498F-9C80-EF15D15E7BA2
MAFS.912.S-ID.1.1	Represent data with plots on the real number line (dot plots, histograms, and box plots).	Descriptive Statistics > Represent and Analyze Data > Discover > Investigate > Investigation 1: A Picture Is Worth… https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/a6172201-a9b3-498f-9c80-ef15d15e7ba2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/552aa258-df11-4b9e-982a-0b12ce9c6461
MAFS.912.S-ID.1.1	Represent data with plots on the real number line (dot plots, histograms, and box plots).	Descriptive Statistics > Represent and Analyze Data > Discover > Investigate > Investigation 2: How Do Cereals Compare? https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/a6172201-a9b3-498f-9c80-ef15d15e7ba2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d2bd3304-7265-4b3a-8990-88c5b0cdebf7

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MAFS.912.S-ID.1.2	Use statistics appropriate to the shape of the data distribution to compare center (median, mean) and spread (interquartile range, standard deviation) of two or more different data sets.	Descriptive Statistics > Represent and Analyze Data > Discover > Investigate > Investigation 2: How Do Cereals Compare? https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/a6172201-a9b3-498f-9c80-ef15d15e7ba2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d2bd3304-7265-4b3a-8990-88c5b0cdebf7
MAFS.912.S-ID.1.2	Use statistics appropriate to the shape of the data distribution to compare center (median, mean) and spread (interquartile range, standard deviation) of two or more different data sets.	Descriptive Statistics > Represent and Analyze Data > Discover > Investigate > Investigation 3: Take Another Look https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/a6172201-a9b3-498f-9c80-ef15d15e7ba2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9a2ebc66-5a4b-4cdd-95e4-342bfa43b8ee
MAFS.912.S-ID.1.3	Interpret differences in shape, center, and spread in the context of the data sets, accounting for possible effects of extreme data points (outliers).	Descriptive Statistics > Represent and Analyze Data > Discover > Investigate > Investigation 1: A Picture Is Worth… https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/a6172201-a9b3-498f-9c80-ef15d15e7ba2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/552aa258-df11-4b9e-982a-0b12ce9c6461
MAFS.912.S-ID.1.3	Interpret differences in shape, center, and spread in the context of the data sets, accounting for possible effects of extreme data points (outliers).	Descriptive Statistics > Represent and Analyze Data > Discover > Investigate > Investigation 2: How Do Cereals Compare? https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/a6172201-a9b3-498f-9c80-ef15d15e7ba2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d2bd3304-7265-4b3a-8990-88c5b0cdebf7

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MAFS.912.S-ID.1.4:	Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve. ★	Data Modeling> Explore Normal Distributions> Investigate> Investigation 1: Cookie Packaging https://app.discoveryeducation.com/learn/techbook/units/952549ae-369f-4b9a-a58c-4ada0a987949/concepts/c81f9baf-b68e-436e-89bc-ae9853ba87a7/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d8622fe5-21ab-4ea2-b2fb-ade635f7a788
MAFS.912.S-ID.1.4:	Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve. ★	Data Modeling> Explore Normal Distributions> Investigate> Investigation 2: Interpreting Test Scores https://app.discoveryeducation.com/learn/techbook/units/952549ae-369f-4b9a-a58c-4ada0a987949/concepts/c81f9baf-b68e-436e-89bc-ae9853ba87a7/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/bb58761f-182d-4f18-9ec5-2951a2e62887
MAFS.912.S-ID.1.4:	Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve. ★	Data Modeling> Explore Normal Distributions> Apply > Apply 2: Which Score Is Better? https://app.discoveryeducation.com/learn/techbook/units/952549ae-369f-4b9a-a58c-4ada0a987949/concepts/c81f9baf-b68e-436e-89bc-ae9853ba87a7/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/64CEB9FF-5012-4DA1-9459-E6C0DE6A2D15
MAFS.912.S-ID.2.5	Summarize categorical data for two categories in two-way frequency tables. Interpret relative frequencies in the context of the data (including joint, marginal, and conditional relative frequencies). Recognize possible associations and trends in the data.	Descriptive Statistics > Interpret Two-Way Frequency Tables > Discover > Investigate > Investigation 1: Business or Education? https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/17b12d51-fcbe-4822-b399-8fdde719540e/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/c986dc91-1529-423c-99cc-7b26c8c19255

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MAFS.912.S-ID.2.5	Summarize categorical data for two categories in two-way frequency tables. Interpret relative frequencies in the context of the data (including joint, marginal, and conditional relative frequencies). Recognize possible associations and trends in the data.	Descriptive Statistics > Interpret Two-Way Frequency Tables > Discover > Investigate > Investigation 2: Surveys https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/17b12d51-fcbe-4822-b399-8fdde719540e/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/63af910f-2d00-46ba-a35f-0d4e951ea8a4
MAFS.912.S-ID.2.5	Summarize categorical data for two categories in two-way frequency tables. Interpret relative frequencies in the context of the data (including joint, marginal, and conditional relative frequencies). Recognize possible associations and trends in the data.	Descriptive Statistics > Interpret Two-Way Frequency Tables > Discover > Investigate > Investigation 3: Curfew: Fair or Unfair? https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/17b12d51-fcbe-4822-b399-8fdde719540e/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/60499c79-1a60-440e-ace8-27c3ba8e9b66
MAFS.912.S-ID.2.6.a	Fit a function to the data; use functions fitted to data to solve problems in the context of the data.	Descriptive Statistics > Analyze Scatter Plots > Discover > Investigate > Investigation 2: Running the Mile https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/7554f5e3-3b0f-42e6-b3cb-edd8ded756ec
MAFS.912.S-ID.2.6.a	Fit a function to the data; use functions fitted to data to solve problems in the context of the data.	Exponential Functions > Analyze Exponential Growth and Decay Models > Discover > Investigate > Investigation 4: Comparing Exponential Models https://app.discoveryeducation.com/learn/techbook/units/208c1a2e-b739-45d1-99ec-7c52c4cc2803/concepts/acf55661-f77a-4227-aa2a-dcf6c4bf6428/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/84dbc4a6-067b-4000-ba7d-74fda60581e4

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MAFS.912.S-ID.2.6.b	Informally assess the fit of a function by plotting and analyzing residuals.	Descriptive Statistics > Analyze Scatter Plots > Discover > Investigate > Investigation 2: Running the Mile https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/7554f5e3-3b0f-42e6-b3cb-edd8ded756ec
MAFS.912.S-ID.2.6.b	Informally assess the fit of a function by plotting and analyzing residuals.	Descriptive Statistics > Analyze Scatter Plots > Discover > Investigate > Investigation 3: Forearm Length vs. Foot Length https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/ea4ff362-6340-47fa-b525-3f82916ba17d
MAFS.912.S-ID.2.6.c	Fit a linear function for a scatter plot that suggests a linear association.	Descriptive Statistics > Analyze Scatter Plots > Discover > Investigate > Investigation 2: Running the Mile https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/7554f5e3-3b0f-42e6-b3cb-edd8ded756ec
MAFS.912.S-ID.2.6.c	Fit a linear function for a scatter plot that suggests a linear association.	Descriptive Statistics > Analyze Scatter Plots > Discover > Investigate > Investigation 3: Forearm Length vs. Foot Length https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/ea4ff362-6340-47fa-b525-3f82916ba17d

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MAFS.912.S-ID.3.7	Interpret the slope (rate of change) and the intercept (constant term) of a linear model in the context of the data.	Descriptive Statistics > Analyze Scatter Plots > Discover > Investigate > Investigation 1: Hurricane Rita https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6528920a-d95a-407e-9b76-7eb130b9c7e5
MAFS.912.S-ID.3.8	Compute (using technology) and interpret the correlation coefficient of a linear fit.	Descriptive Statistics > Analyze Scatter Plots > Discover > Investigate > Investigation 3: Forearm Length vs. Foot Length https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/ea4ff362-6340-47fa-b525-3f82916ba17d
MAFS.912.S-ID.3.9	Distinguish between correlation and causation.	Descriptive Statistics > Analyze Scatter Plots > Discover > Investigate > Investigation 4: Jumping to Conclusions https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/edc2b529-5d91-45e6-b46a-6f3332f5f870
MAFS.K12.MP.1.1	Make sense of problems and persevere in solving them.	Functions > Analyze Arithmetic Sequences and Linear Functions > Discover > Engage: Saving for a Tablet https://app.discoveryeducation.com/learn/techbook/units/48A3F422-D5D4-41C1-A4F6-83A566C7D454/concepts/C49271E8-3B36-463C-8687-00B3295161D8

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MAFS.K12.MP.1.1	Make sense of problems and persevere in solving them.	Functions > Analyze Geometric Sequences and Exponential Functions > Discover > Engage: Off to the Races! https://app.discoveryeducation.com/learn/techbook/units/48A3F422-D5D4-41C1-A4F6-83A566C7D454/concepts/270726EC-72CC-4BD4-ABF7-D9499BEA9D0E
MAFS.K12.MP.1.1	Make sense of problems and persevere in solving them.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Engage: Phone Contest https://app.discoveryeducation.com/learn/techbook/units/952549AE-369F-4B9A-A58C-4ADA0A987949/concepts/56DB900E-880D-4AD7-9D77-AA44449CD92A
MAFS.K12.MP.2.1	Reason abstractly and quantitatively.	Graphs of Functions > Analyze Graphs of Functions > Discover > Investigate > Investigation 2: Underwater Cameras https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d65bbedb-74e4-4867-9d5f-de8f06b07c68/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/bc970838-163a-40d9-8284-a9bfeadf6d6e
MAFS.K12.MP.2.1	Reason abstractly and quantitatively.	Data Modeling> Explore Normal Distributions> Investigate> Investigation 1: Cookie Packaging https://app.discoveryeducation.com/learn/techbook/units/952549ae-369f-4b9a-a58c-4ada0a987949/concepts/c81f9baf-b68e-436e-89bc-ae9853ba87a7/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d8622fe5-21ab-4ea2-b2fb-ade635f7a788
MAFS.K12.MP.2.1	Reason abstractly and quantitatively.	Data Modeling> Explore Normal Distributions> Investigate> Investigation 2: Interpreting Test Scores https://app.discoveryeducation.com/learn/techbook/units/952549ae-369f-4b9a-a58c-4ada0a987949/concepts/c81f9baf-b68e-436e-89bc-ae9853ba87a7/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/bb58761f-182d-4f18-9ec5-2951a2e62887

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MAFS.K12.MP.3.1	Construct viable arguments and critique the reasoning of others.	Descriptive Statistics > Analyze Scatter Plots > Discover > Investigate > Investigation 4: Jumping to Conclusions https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/edc2b529-5d91-45e6-b46a-6f3332f5f870
MAFS.K12.MP.3.1	Construct viable arguments and critique the reasoning of others.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Engage: Phone Contest https://app.discoveryeducation.com/learn/techbook/units/952549AE-369F-4B9A-A58C-4ADA0A987949/concepts/56DB900E-880D-4AD7-9D77-AA44449CD92A
MAFS.K12.MP.3.1	Construct viable arguments and critique the reasoning of others.	Descriptive Statistics > Interpret Two-Way Frequency Tables > Discover > Engage > Teenage Jobs https://app.discoveryeducation.com/learn/techbook/units/508F463E-3311-4408-AF60-CDE4F2B929FB/concepts/17B12D51-FCBE-4822-B399-8FDDE719540E
MAFS.K12.MP.4.1	Model with mathematics.	Graphs of Functions > Compare Graphs of Linear and Exponential Functions > Discover > Investigate > Investigation 3: Geometric Patterns https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d95d3395-f81c-4d76-8109-0e168a63f518/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/e3ec8ad3-c94b-4d13-9f68-16706afd802d
MAFS.K12.MP.4.1	Model with mathematics.	Graphs of Functions > Analyze Graphs of Functions > Discover > Investigate > Investigation 1: Density https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d65bbedb-74e4-4867-9d5f-de8f06b07c68/tabs/19155618

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MAFS.K12.MP.4.1	Model with mathematics.	Graphs of Functions > Analyze Graphs of Functions > Discover > Investigate > Investigation 2: Underwater Cameras https://app.discoveryeducation.com/learn/techbook/units/299ea4e1-9334-48e6-b9c6-625f98a94642/concepts/d65bbedb-74e4-4867-9d5f-de8f06b07c68/ta
MAFS.K12.MP.5.1	Use appropriate tools strategically.	Descriptive Statistics > Analyze Scatter Plots > Discover > Investigate > Investigation 2: Running the Mile https://app.discoveryeducation.com/learn/techbook/units/508f463e-3311-4408-af60-cde4f2b929fb/concepts/61b2d7fd-4905-462d-b84f-afdab892d9ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/7554f5e3-3b0f-42e6-b3cb-edd8ded756ec
MAFS.K12.MP.5.1	Use appropriate tools strategically.	Data Modeling > Collect, Analyze, and Interpret Statistical Data > Discover > Investigate> Investigation 2: Modeling with Statistics https://app.discoveryeducation.com/learn/techbook/units/952549ae-369f-4b9a-a58c-4ada0a987949/concepts/56db900e-880d-4ad7-9d77-aa44449cd92a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/de8d68a0-35e1-469a-960e-36e8b209cb51
MAFS.K12.MP.5.1	Use appropriate tools strategically.	Nonlinear Functions > Create and Analyze Piecewise Functions > Discover > Investigate > Investigation Graphing a Racecar's Changing Speed https://app.discoveryeducation.com/learn/techbook/units/ad84848e-019b-47d2-9030-15c28d403e01/concepts/53ce0f9f-1bc0-4a28-9100-d716c727703a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6882d025-130d-4efc-9fe3-2d85465915c8

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MAFS.K12.MP.6.1	Attend to precision.	Nonlinear Functions > Investigate Square Root and Cube Root Functions > Discover > Engage: Building Squares and Cubes https://app.discoveryeducation.com/learn/techbook/units/AD84848E-019B-47D2-9030-15C28D403E01/concepts/42BD76C1-61DF-4927-AF52-F0E3C5FD0850
MAFS.K12.MP.6.1	Attend to precision.	Functions > Understand and Interpret Functions > Discover > Engage: Telescopes https://app.discoveryeducation.com/learn/techbook/units/48a3f422-d5d4-41c1-a4f6-83a566c7d454/concepts/d4980301-9a95-48ac-8553-f5e5218d80a2/tabs/19155618-5d23-4aa5-a4e5-017f733
MAFS.K12.MP.6.1	Attend to precision.	Data Modeling> Explore Normal Distributions> Investigate> Investigation 2: Interpreting Test Scores https://app.discoveryeducation.com/learn/techbook/units/952549ae-369f-4b9a-a58c-4ada0a987949/concepts/c81f9baf-b68e-436e-89bc-ae9853ba87a7/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/bb58761f-182d-4f18-9ec5-2951a2e62887
MAFS.K12.MP.7.1	Look for and make use of structure.	Nonlinear Functions > Investigate Rational Exponents > Discover > Investigate > Investigation 1: A Radical Change https://app.discoveryeducation.com/learn/techbook/units/ad84848e-019b-47d2-9030-15c28d403e01/concepts/b90d9add-f2c2-4a65-bdaa-24e867b97290/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/f7789424-e275-4d84-a386-8b42c489ae0b
MAFS.K12.MP.7.1	Look for and make use of structure.	Foundations of Algebra > Reason with Expressions and Equations > Engage: So, You Want To See a Trick? https://app.discoveryeducation.com/learn/techbook/units/1e607700-d53c-4397-8807-009ca9a0b724/concepts/7b35dde1-e23e-49b0-8f82-34f8b3bb5788/tabs/1915561

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MAFS.K12.MP.7.1	Look for and make use of structure.	Polynomials > Factor Polynomials > Discover > Investigate > Investigation 1: Factors Remix https://app.discoveryeducation.com/learn/techbook/units/d8084513-aa24-4d2d-bb08-4c5bd33da078/concepts/e71794b7-ecdf-4f32-aa0c-cb7e962dee21/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/8cd664aa-36cf-4332-96b8-fc01f3944a88
MAFS.K12.MP.8.1	Look for and express regularity in repeated reasoning.	Graphs of Quadratic Functions > Analyze Graphs of Quadratic Functions > Discover > Investigate > Investigation 2: Exploring Transformations of Quadratic Functions https://app.discoveryeducation.com/learn/techbook/units/0925723a-be67-4141-9a25-dd90a4b04b68/concepts/5b69ca7e-3376-4bfd-b785-59a5c91e3227/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/2cbb5b9e-9d8c-4932-bec8-3062413bf27a
MAFS.K12.MP.8.1	Look for and express regularity in repeated reasoning.	Equations and Inequalities > Rewrite Literal Equations > Discover > Investigate > Investigation 1: Exploring Literal Equations https://app.discoveryeducation.com/learn/techbook/units/2556eb51-8cc2-42b3-808c-a85064f95b9b/concepts/f2924ea5-003e-4007-bc3f-f29af0738b32/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/746e98ee-e34a-41b4-bb65-2db45143daa1
MAFS.K12.MP.8.1	Look for and express regularity in repeated reasoning.	Polynomials > Factor Polynomials > Discover > Investigate > Investigation 4: Puzzling Trinomials – Part 1 https://app.discoveryeducation.com/learn/techbook/units/d8084513-aa24-4d2d-bb08-4c5bd33da078/concepts/e71794b7-ecdf-4f32-aa0c-cb7e962dee21/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9b2d9a9d-b1df-4fae-9be9-413db6570e68