BID ID:	3677	
SUBMISSION TITLE:	Discovery Education Math Techbook (Florida) - Grade 8 Pre-Algebra	
GRADE LEVEL:	8	
COURSE TITLE:	M/J Pre-Algebra	
COURSE CODE:	1205070	
ISBN:	978-1-68220-438-2 1-68220-438-3	
PUBLISHER:	Discovery Education, Inc.	
PUBLISHER ID:	36229805001	

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.	Exponents > Understand Rules of Exponents > Discover > Investigate > Investigation 2: What's the Pattern > Hands-on Activity: Finding the Value of Exponential Expressions https://app.discoveryeducation.com/learn/player/0c453d66-30c4-4127-ace6-f9e08d364abe
ELD.K12.ELL.MA.1	English language learners communicate information, ideas and concepts necessary for academic success in the content area of Mathematics.	Introduction to Functions > Represent Proportional Relationships > Discover > Investigate > Investigation 4: Distance Takes Time > Hands-on Activity: Motion Detective https://app.discoveryeducation.com/learn/player/1dff27bf-c021-46b4-a369-d54d03a1c477

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ELD.K12.ELL.MA.1	English language learners communicate information, ideas and concepts necessary for academic success in the content area of Mathematics.	Volume of Solid Figures > Investigate Volume Formulas > Discover > Investigate > Investigation 2: Volume of Cylinders and Cones > Hands-on Activity: Prisms and Cylinders > https://app.discoveryeducation.com/learn/player/812c2901-a9ce-4342-b28d-1759a3053df5
ELD.K12.ELL.SI.1	English language learners communicate for social and instructional purposes within the school setting.	Real Numbers > Convert between Decimals and Fractions > Apply > Apply 3: How Can You Decide Which Team is Best? https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/2939c6b8-238d-416a-86a4-3741c61b01ab/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/DC08D464-C5A5-4CE0-A5A6-56C997F44CE5
ELD.K12.ELL.SI.1	English language learners communicate for social and instructional purposes within the school setting.	Bivariate Data > Create and Analyze Scatter Plots > Discover > Investigate > Investigation 2: Scattered > Hands-on Activity: How is it Scattered https://app.discoveryeducation.com/learn/player/32277569-19e5-4949-8ed6-01f9af4ecd82
ELD.K12.ELL.SI.1	English language learners communicate for social and instructional purposes within the school setting.	Congruence and Similarity > Perform multiple Transformations > Discover > Investigate > Investigation 1: Multiple Transformations https://app.discoveryeducation.com/learn/techbook/units/88509ec8-2ec4-40a8-b363-5a9e682fdffd/concepts/e78f761c-01f1-4e90-8f01-96d31975a846/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a004bfc0-37c9-4367-9724-7525df756d31
LAFS.68.RST.1.3	Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.	The Pythagorean Theorem > Use the Pythagorean Theorem in 2-D and 3-D > Apply > Apply 2: How Long Will it Take to Transport a Patient > Map a City https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/1828e238-33b5-4647-a7f2-6747e8c6e549/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/8f1e7543-4ae7-46d0-b73a-ccfda33f0830

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LAFS.68.RST.1.3	Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.	Bivariate Data > Generate Lines of Best Fit > Discover > Investigate > Investigation 3: Go to the Line > Hands-on Activity: Go to the Line https://app.discoveryeducation.com/learn/player/90a3f1f4-0f7b-4f80-9063-caa54ce9f411
LAFS.68.RST.1.3	Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.	Intersecting Lines and Angles > Understand Interior and Exterior Angles > Discover > Investigate > Investigation 1: Exploring the Interior > 8 Steps for Tearing Triangles https://app.discoveryeducation.com/learn/techbook/units/178d1a83-54e0-4c10-8ceb-03a0f80c75aa/concepts/44f8f83c-8453-4352-9989-c67a316ac63c/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/61f5630d-f68a-4722-a7d8-a40ce8be6737
LAFS.68.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 6–8 texts and topics.	Exponents > Understand Negative Exponents > Discover > Investigate > Investigation 2: Exponent Detective > Write a Definition https://app.discoveryeducation.com/learn/techbook/units/014e6947-c24b-4c5d-bd55-60139d53bdb0/concepts/96477290-647b-4efa-bf23-890097cb5cf2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/2c8195cb-ce7f-4859-afc5-3927105a657a
LAFS.68.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 6–8 texts and topics.	Real Numbers > Compare Rational and Irrational Numbers > Discover > Investigate > Investigation 2: Squaring Up > Differences https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/615209e6-3972-4826-837c-923ee2eaf27b/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d275430b-6e01-43d5-91b2-fc49e5b1cb75

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LAFS.68.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 6–8 texts and topics.	Introduction to Functions > Understand Linear Functions > Apply > Apply 2: What's the Best package Deal for Your Party > Part 2 https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/1353d0c0-4593-4166-92d0-bf5789685d58/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/4f2f84e2-ecbe-4db9-bb26-3d115b16704f
LAFS.68.RST.3.7	Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).	Bivariate Data > Create and Analyze Scatter Plots > Discover > Investigate > Investigation 1: Scatter Plots Revealed https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/db36f7dd-762b-4c67-8d05-973ceadf30eb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/73f62ac8-5df2-41bd-bab6-318bbbe69cb6
LAFS.68.RST.3.7	Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).	Linear systems > Model Situations with Multiple Equations > Apply > Apply 1: How Does Wind Affect Flight Times https://app.discoveryeducation.com/learn/techbook/units/27a72144-8781-4826-9df8-1f2a1a469105/concepts/d701728c-7ce7-4640-a1a9-22d8ed8253ef/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/c66a2fb3-3659-4c75-90e4-8da8546c3f1d
LAFS.68.RST.3.7	Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).	Introduction to Functions > Investigate Properties of Functions > Discover > Investigate > Investigation 4: Match the Function > Hands-On Activity: Matching Functions Game https://app.discoveryeducation.com/learn/player/bc49369d-7885-4039-99a1-60be677be2f9

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LAFS.68.WHST.1.1.a	a. Introduce claim(s) about a topic or issue, acknowledge and distinguish the claim(s) from alternate or opposing claims, and organize the reasons and evidence logically.	The Pythagorean Theorem > Investigate the Pythagorean Theorem > Discover > Investigate > Investigation 2:Conduct and Experiment > Interactive: Squares on a Triangle https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/c93bbe5b-6081-487a-942b-13c141581da6/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/b191e128-3614-4ff7-b055-dcdefdbd71bd
LAFS.68.WHST.1.1.a	a. Introduce claim(s) about a topic or issue, acknowledge and distinguish the claim(s) from alternate or opposing claims, and organize the reasons and evidence logically.	The Pythagorean Theorem > Investigate the Pythagorean Theorem > Discover > Investigate > Investigation 3: Examine a Proof of the Pythagorean Theorem https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/c93bbe5b-6081-487a-942b-13c141581da6/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d9515e43-93d4-4820-b9bc-6e6cbcc52c5f
LAFS.68.WHST.1.1.a	a. Introduce claim(s) about a topic or issue, acknowledge and distinguish the claim(s) from alternate or opposing claims, and organize the reasons and evidence logically.	The Pythagorean Theorem > Investigate the Pythagorean Theorem Converse > Discover > Investigate > Investigation 3: Informal Proofs https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/19e354eb-c517-4794-ade4-b07233107a6b/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9e99c917-dc4d-4021-aaea-717c609c2c8b
LAFS.68.WHST.1.1.b	b. Support claim(s) with logical reasoning and relevant, accurate data and evidence that demonstrate an understanding of the topic or text, using credible sources.	Volume of Solid Figures > Investigate Volume Formulas > Discover > Investigate > Investigation 1: Volume Relationships > Hands-on Activity: Relationships Among Volumes https://app.discoveryeducation.com/learn/player/7843810c-3cf4-4882-bbcf-893f83adada1

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LAFS.68.WHST.1.1.b	b. Support claim(s) with logical reasoning and relevant, accurate data and evidence that demonstrate an understanding of the topic or text, using credible sources.	Intersecting Lines and Angles > Investigate Parallel and Intersecting Lines > Discover > Investigate > Investigation 3: Lines, Angles, and Triangles https://app.discoveryeducation.com/learn/techbook/units/178d1a83-54e0-4c10-8ceb-03a0f80c75aa/concepts/9a45e54c-fbde-4976-b86a-71ee58c86afb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/78cdb766-16da-4617-9561-b4a62dd9f856
LAFS.68.WHST.1.1.b	b. Support claim(s) with logical reasoning and relevant, accurate data and evidence that demonstrate an understanding of the topic or text, using credible sources.	Congruence and Similarity > Investigate Geometric Transformations > Discover > Investigate > Investigation 2: Action Figures > Critique a Statement https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/e6ce97a5-3790-4781-a0d4-7d24eff3d7a4/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/b018f3d1-8ba4-4aab-b434-34e2f6039feb
LAFS.68.WHST.1.1.c	c. Use words, phrases, and clauses to create cohesion and clarify the relationships among claim(s), counterclaims, reasons, and evidence.	Congruence and Similarity > Investigate Geometric Transformations > Discover > Investigate > Investigation 3: Action Figures in the Coordinate Plane > Critique a Statement > Parallel Lines https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/e6ce97a5-3790-4781-a0d4-7d24eff3d7a4/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/b7336a5e-cfd4-495c-ae2c-cb34bcf2c119
LAFS.68.WHST.1.1.c	c. Use words, phrases, and clauses to create cohesion and clarify the relationships among claim(s), counterclaims, reasons, and evidence.	Real Numbers > Compare Rational and Irrational Numbers > Discover > Investigate > Investigation 1: Which One is Not Like the Others? > Critique a Statement > Parallel Lines https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/615209e6-3972-4826-837c-923ee2eaf27b/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/2be6e827-00fa-42c7-867b-092b960a93e8

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LAFS.68.WHST.1.1.c	c. Use words, phrases, and clauses to create cohesion and clarify the relationships among claim(s), counterclaims, reasons, and evidence.	Real Numbers > Compare Rational and Irrational Numbers > Extension: Proving Irrational Numbers Exist > Prove that Irrational Numbers Exist https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/615209e6-3972-4826-837c-923ee2eaf27b/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d2f435ce-45e0-45dc-badf-925aa6e364f1
LAFS.68.WHST.1.1.d	d. Establish and maintain a formal style.	Scientific Notation > Represent Large and Small Numbers > Discover > Investigate > Investigation 3: How Do You Write That? https://app.discoveryeducation.com/learn/techbook/units/2e07479f-63e5-4f2b-a4a1-fc18d4f27875/concepts/8b97a8e7-079d-4b74-8eed-bc9e3e0d5394/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/61b28c51-e14d-4358-97c9-26d3a014577b
LAFS.68.WHST.1.1.d	d. Establish and maintain a formal style.	Linear Systems > Model Situations with Multiple Equations > Discover > Investigate > Investigation 6: Elimination or Substitution? https://app.discoveryeducation.com/learn/techbook/units/27a72144-8781-4826-9df8-1f2a1a469105/concepts/d701728c-7ce7-4640-a1a9-22d8ed8253ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/16aa9dd6-e991-4d93-82c3-2f6f44796033
LAFS.68.WHST.1.1.d	d. Establish and maintain a formal style.	Linear Systems > Model Situations with Multiple Equations > Extension: System of Equation in Three Variables https://app.discoveryeducation.com/learn/techbook/units/27a72144-8781-4826-9df8-1f2a1a469105/concepts/d701728c-7ce7-4640-a1a9-22d8ed8253ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/ecda4fd6-e4e9-458b-998a-88a545cacd86

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LAFS.68.WHST.1.1.e	e. Provide a concluding statement or section that follows from and supports the argument presented.	Linear Systems > Model Situations with Multiple Equations > Discover > Investigate > Investigation 1: When Will the Runners Cross Paths? > Draw Conclusions for Race 1 https://app.discoveryeducation.com/learn/techbook/units/27a72144-8781-4826-9df8-1f2a1a469105/concepts/d701728c-7ce7-4640-a1a9-22d8ed8253ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/183efe5a-9d4d-43f1-b286-93541d6c2519
LAFS.68.WHST.1.1.e	e. Provide a concluding statement or section that follows from and supports the argument presented.	Bivariate Data > Create and Analyze Two-Way Tables > Discover > Investigate > Investigation 2: What Frequency is That? > Comparisons and Conclusions by Row https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/c59fdefa-441a-4efb-9949-08af3d9c483a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/7df60453-c16d-4010-ae88-78446f3a6a82
LAFS.68.WHST.1.1.e	e. Provide a concluding statement or section that follows from and supports the argument presented.	Introduction to Functions > Investigate Properties of Functions > Discover > Investigate > Investigation 4: Match the Function > What Strategy Did you Use? https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/7ebfe015-0ff0-4dc3-93c0-6fd551b51c60/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/0ba19c9a-58e7-4eee-8ee6-2fcc6d105822
LAFS.68.WHST.2.4:	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	Exponents > Understand Negative Exponents > Apply > Apply 1: Can This Gadget Make an Object Disappear https://app.discoveryeducation.com/learn/techbook/units/014e6947-c24b-4c5d-bd55-60139d53bdb0/concepts/96477290-647b-4efa-bf23-890097cb5cf2/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/0621993e-623a-4da4-ac38-feefe836580a

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LAFS.68.WHST.2.4:	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	Bivariate Data > Generate Lines of Best Fit > Discover > Investigate > Investigation 2: Which Fits Best? > Interactive: Reasons Why https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/25d243e0-b7e1-455b-884d-6110d359b00e/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/224614f3-dc85-4cfc-974b-5e82282d0664
LAFS.68.WHST.2.4:	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	Introduction to Functions > Investigate Properties of Functions > Discover > Investigate > Investigation 1: What is a Function? https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/7ebfe015-0ff0-4dc3-93c0-6fd551b51c60/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/b301d6d1-e4e3-45e1-b205-7afcc0802b07
LAFS.8.SL.1.1.a	Come to discussions prepared, having read or researched material under study; explicitly draw on that preparation by referring to evidence on the topic, text, or issue to probe and reflect on ideas under discussion.	Real Numbers > Investigate Square Roots and Cube Roots > Discover > Investigate > Investigation 1: Something Radical > Discuss with a partner (bulleted list) https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/70aa0bcb-6c87-46e7-acbb-2919cb514e76/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/e2c691be-332d-41f5-a68f-4c0a0af4d14b
LAFS.8.SL.1.1.a	Come to discussions prepared, having read or researched material under study; explicitly draw on that preparation by referring to evidence on the topic, text, or issue to probe and reflect on ideas under discussion.	Intersecting Lines and Angles > Understand Interior and Exterior Angles > Discover > Investigate > Investigation 1: Exploring the Interior > Making a Case https://app.discoveryeducation.com/learn/techbook/units/178d1a83-54e0-4c10-8ceb-03a0f80c75aa/concepts/44f8f83c-8453-4352-9989-c67a316ac63c/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/61f5630d-f68a-4722-a7d8-a40ce8be6737

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LAFS.8.SL.1.1.a	Come to discussions prepared, having read or researched material under study; explicitly draw on that preparation by referring to evidence on the topic, text, or issue to probe and reflect on ideas under discussion.	Bivariate Data > Create and Analyze Two-Way Tables > Discover > Investigate > Investigation 2: What Frequency is That? > last Teacher Note: With the class, brainstorm ideas. https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/c59fdefa-441a-4efb-9949-08af3d9c483a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/7df60453-c16d-4010-ae88-78446f3a6a82
LAFS.8.SL.1.1.b	Follow rules for collegial discussions and decision-making, track progress toward specific goals and deadlines, and define individual roles as needed.	Bivariate Data > Create and Analyze Two-Way Tables > Discover > Investigate > Investigation 2: What Frequency is That? > last Teacher Note: With the class, brainstorm ideas. https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/c59fdefa-441a-4efb-9949-08af3d9c483a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/7df60453-c16d-4010-ae88-78446f3a6a82
LAFS.8.SL.1.1.b	Follow rules for collegial discussions and decision-making, track progress toward specific goals and deadlines, and define individual roles as needed.	Bivariate Data > Create and Analyze Two-Way Tables > Discover > Investigate > Investigation 1: Let's Table It! > Partner Discussion https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/c59fdefa-441a-4efb-9949-08af3d9c483a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/1a32d67a-5eaf-4a34-8c3d-195fc584f4b4
LAFS.8.SL.1.1.b	Follow rules for collegial discussions and decision-making, track progress toward specific goals and deadlines, and define individual roles as needed.	Scientific Notation > Perform Operations Using Scientific Notation > Discover > Investigate > Investigation 1: With a Feather on Top https://app.discoveryeducation.com/learn/techbook/units/2e07479f-63e5-4f2b-a4a1-fc18d4f27875/concepts/92421269-31ea-42d0-b47b-578cedac070c/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/8336c068-39c2-4c25-bb6f-47f90bbbbc00

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LAFS.8.SL.1.1.c	Pose questions that connect the ideas of several speakers and respond to others' questions and comments with relevant evidence, observations, and ideas.	Scientific Notation > Perform Operations Using Scientific Notation > Discover > Investigate > Investigation 1: With a Feather on Top https://app.discoveryeducation.com/learn/techbook/units/2e07479f-63e5-4f2b-a4a1-fc18d4f27875/concepts/92421269-31ea-42d0-b47b-578cedac070c/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/8336c068-39c2-4c25-bb6f-47f90bbbbc00
LAFS.8.SL.1.1.c	Pose questions that connect the ideas of several speakers and respond to others' questions and comments with relevant evidence, observations, and ideas.	Volume of Solid Figures > Investigate Volume Formulas > Apply > Apply 1: Which is Worth More: A Gallon Jar of Quarters or a Gallon Jar of Dimes? https://app.discoveryeducation.com/learn/techbook/units/9b962216-ccf7-4e86-813b-90d8042fff94/concepts/c7f089f3-4afe-44cc-9230-b43aac565ab7/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/232aa844-13d5-41db-aa7d-cbf6d22f8e22
LAFS.8.SL.1.1.c	Pose questions that connect the ideas of several speakers and respond to others' questions and comments with relevant evidence, observations, and ideas.	Intersecting Lines and Angles > Investigate Parallel and Intersecting Lines > Discover > Investigate > Investigation 2: Lines That Are Not Parallel https://app.discoveryeducation.com/learn/techbook/units/178d1a83-54e0-4c10-8ceb-03a0f80c75aa/concepts/9a45e54c-fbde-4976-b86a-71ee58c86afb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/744cdd28-b438-4656-a23f-bfe18b0d2f41
LAFS.8.SL.1.1.d	Acknowledge new information expressed by others, and, when warranted, qualify or justify their own views in light of the evidence presented.	Intersecting Lines and Angles > Investigate Parallel and Intersecting Lines > Discover > Investigate > Investigation 2: Lines That Are Not Parallel https://app.discoveryeducation.com/learn/techbook/units/178d1a83-54e0-4c10-8ceb-03a0f80c75aa/concepts/9a45e54c-fbde-4976-b86a-71ee58c86afb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/744cdd28-b438-4656-a23f-bfe18b0d2f41

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LAFS.8.SL.1.1.d	Acknowledge new information expressed by others, and, when warranted, qualify or justify their own views in light of the evidence presented.	Exponents > Understand Rules of Exponents > Apply > Apply 1: What Is the Fastest Way to Spread the Word? https://app.discoveryeducation.com/learn/techbook/units/014e6947-c24b-4c5d-bd55-60139d53bdb0/concepts/1031e796-a180-404b-80ba-b81e4ed0778a/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/d35ca18a-2963-4add-9c94-433dac78f322
LAFS.8.SL.1.1.d	Acknowledge new information expressed by others, and, when warranted, qualify or justify their own views in light of the evidence presented.	Real Numbers > Compare Rational and Irrational Numbers > Discover > Investigate > Investigation 2: Squaring Up > the second Teacher Note; Conduct a class debriefing. https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/615209e6-3972-4826-837c-923ee2eaf27b/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d275430b-6e01-43d5-91b2-fc49e5b1cb75
LAFS.8.SL.1.2	Analyze the purpose of information presented in diverse media and formats (e.g., visually, quantitatively, orally) and evaluate the motives (e.g., social, commercial, political) behind its presentation.	Bivariate Data > Create and Analyze Scatter Plots > Discover > Investigate > Investigation 2: Scattered https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/db36f7dd-762b-4c67-8d05-973ceadf30eb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9dd2081a-8d2c-425e-9b7f-83f390acbbf7
LAFS.8.SL.1.2	Analyze the purpose of information presented in diverse media and formats (e.g., visually, quantitatively, orally) and evaluate the motives (e.g., social, commercial, political) behind its presentation.	Bivariate Data > Create and Analyze Scatter Plots > Apply > Apply 2: How Does Latitude Affect Climate https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/db36f7dd-762b-4c67-8d05-973ceadf30eb/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/3ebc19c6-7898-4ce0-9742-395ae7af796b

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LAFS.8.SL.1.2	Analyze the purpose of information presented in diverse media and formats (e.g., visually, quantitatively, orally) and evaluate the motives (e.g., social, commercial, political) behind its presentation.	Linear Relationships > Explore Linear Functions and Linear Equations > Apply > Apply 1: How Can You Use the Length of a Humerus to Approximate Height? https://app.discoveryeducation.com/learn/techbook/units/9103230a-7c77-46f7-9886-e76fdb31dee0/concepts/f4dc58af-d865-4865-98ab-8434276d4920/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/63516c3d-8e69-43b9-b8d5-d99667e7c988
LAFS.8.SL.1.3	Delineate a speaker's argument and specific claims, evaluating the soundness of the reasoning and relevance and sufficiency of the evidence and identifying when irrelevant evidence is introduced.	The Pythagorean Theorem > Use the Pythagorean Theorem in 2-D and 3-D > Discover > Investigate > Investigation 1: Finding a Route for the Courier https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/1828e238-33b5-4647-a7f2-6747e8c6e549/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/3b2b5a68-ec5c-4557-b583-dd3ced98f70c
LAFS.8.SL.1.3	Delineate a speaker's argument and specific claims, evaluating the soundness of the reasoning and relevance and sufficiency of the evidence and identifying when irrelevant evidence is introduced.	The Pythagorean Theorem > Use the Pythagorean Theorem in 2-D and 3-D > Discover > Investigate > Investigation 3: Fitting a Tripod into a Box https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/1828e238-33b5-4647-a7f2-6747e8c6e549/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9e5e1fef-0c93-4543-9e91-7416ad57cfdd
LAFS.8.SL.1.3	Delineate a speaker's argument and specific claims, evaluating the soundness of the reasoning and relevance and sufficiency of the evidence and identifying when irrelevant evidence is introduced.	Introduction to Functions > Graph, Describe, and Analyze Functions > Discover > Investigate > Investigation 3: Compare Perimeter to Area https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/0218dae9-0f49-4f12-baee-2fa9bad4cf8d/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/ebba3bda-a28d-4b80-9209-8d36594f0d71

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LAFS.8.SL.2.4	Present claims and findings, emphasizing salient points in a focused, coherent manner with relevant evidence, sound valid reasoning, and well-chosen details; use appropriate eye contact, adequate volume, and clear pronunciation.	Scientific Notation > Perform Operations Using Scientific Notation > Apply > Apply 2: How Much Does a Person Need to Eat to Match the Appetite of a Blue Whale? https://app.discoveryeducation.com/learn/techbook/units/2e07479f-63e5-4f2b-a4a1-fc18d4f27875/concepts/92421269-31ea-42d0-b47b-578cedac070c/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/99ee999e-aff6-4ee5-9055-27a776d30a96
LAFS.8.SL.2.4	Present claims and findings, emphasizing salient points in a focused, coherent manner with relevant evidence, sound valid reasoning, and well-chosen details; use appropriate eye contact, adequate volume, and clear pronunciation.	Exponents > Understand Rules of Exponents > Investigate 6: Raise the Power! > Expand Expressions https://app.discoveryeducation.com/learn/techbook/units/014e6947-c24b-4c5d-bd55-60139d53bdb0/concepts/1031e796-a180-404b-80ba-b81e4ed0778a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/455aab99-a3ae-4093-a7ca-42e15edba77f
LAFS.8.SL.2.4	Present claims and findings, emphasizing salient points in a focused, coherent manner with relevant evidence, sound valid reasoning, and well-chosen details; use appropriate eye contact, adequate volume, and clear pronunciation.	Intersecting Lines and Angles > Investigate Parallel and Intersecting Lines > Apply > Apply 1: How are Parallel Lines and Transversals Used in Stage Sets? https://app.discoveryeducation.com/learn/techbook/units/178d1a83-54e0-4c10-8ceb-03a0f80c75aa/concepts/9a45e54c-fbde-4976-b86a-71ee58c86afb/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/6418EAE9-1102-4231-9BB7-325C6DFFD6CB
MAFS.8.EE.1.1	Know and apply the properties of integer exponents to generate equivalent numerical expressions.	Real Numbers > Investigate Square Roots and Cube Roots > Discover > Investigate > Investigation 2: What is perfection? https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/70aa0bcb-6c87-46e7-acbb-2919cb514e76/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/c87281d0-4738-4b33-9403-1b7eee51b625

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MAFS.8.EE.1.1	Know and apply the properties of integer exponents to generate equivalent numerical expressions.	Exponents > Understand Rules of Exponents > Discover > Investigate > Investigation 2: What's the Pattern https://app.discoveryeducation.com/learn/techbook/units/014e6947-c24b-4c5d-bd55-60139d53bdb0/concepts/1031e796-a180-404b-80ba-b81e4ed0778a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/13947899-7469-4c37-af0f-96c4b44b1bae
MAFS.8.EE.1.1	Know and apply the properties of integer exponents to generate equivalent numerical expressions.	Exponents > Understand Negative Exponents > Discover > Investigate > Investigation 2: Exponent Detective https://app.discoveryeducation.com/learn/techbook/units/014e6947-c24b-4c5d-bd55-60139d53bdb0/concepts/96477290-647b-4efa-bf23-890097cb5cf2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/2c8195cb-ce7f-4859-afc5-3927105a657a
MAFS.8.EE.1.2	Use square root and cube root symbols to represent solutions to equations of the form $x^2 = p$ and $x^3 = p$, where p is a positive rational number. Evaluate square roots of small perfect squares and cube roots of small perfect cubes. Know that $\sqrt{2}$ is irrational.	Real Numbers > Compare Rational and Irrational Numbers > Discover > Investigate > Investigation 3: Zooming In > If…then… https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/615209e6-3972-4826-837c-923ee2eaf27b/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/c2d62833-0cd2-4f2a-8ca6-1763d760c2e7
MAFS.8.EE.1.2	Use square root and cube root symbols to represent solutions to equations of the form $x^2 = p$ and $x^3 = p$, where p is a positive rational number. Evaluate square roots of small perfect squares and cube roots of small perfect cubes. Know that $\sqrt{2}$ is irrational.	Real Numbers > Compare Rational and Irrational Numbers > Discover > Investigate > Investigation 1: Which One is Not Like the Others? https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/615209e6-3972-4826-837c-923ee2eaf27b/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/2be6e827-00fa-42c7-867b-092b960a93e8

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MAFS.8.EE.1.3	Use numbers expressed in the form of a single digit times an integer power of 10 to estimate very large or very small quantities, and to express how many times as much one is than the other.	Scientific Notation > Represent Large and Small Numbers > Discover > Investigate > Investigation 1: Compact It! https://app.discoveryeducation.com/learn/techbook/units/2e07479f-63e5-4f2b-a4a1-fc18d4f27875/concepts/8b97a8e7-079d-4b74-8eed-bc9e3e0d5394/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/548fdc38-cd7f-4fc3-90b1-b2d5ec1ecb0e
MAFS.8.EE.1.3	Use numbers expressed in the form of a single digit times an integer power of 10 to estimate very large or very small quantities, and to express how many times as much one is than the other.	Scientific Notation > Represent Large and Small Numbers > Discover > Investigate > Investigation 2: Dragon Study https://app.discoveryeducation.com/learn/techbook/units/2e07479f-63e5-4f2b-a4a1-fc18d4f27875/concepts/8b97a8e7-079d-4b74-8eed-bc9e3e0d5394/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/1890d588-91e6-413e-a1b0-34cb4e4a5ac7
MAFS.8.EE.1.3	Use numbers expressed in the form of a single digit times an integer power of 10 to estimate very large or very small quantities, and to express how many times as much one is than the other.	Scientific Notation > Represent Large and Small Numbers > Discover > Investigate > Investigation 3: How Do You Write That? https://app.discoveryeducation.com/learn/techbook/units/2e07479f-63e5-4f2b-a4a1-fc18d4f27875/concepts/8b97a8e7-079d-4b74-8eed-bc9e3
MAFS.8.EE.1.4	Perform operations with numbers expressed in scientific notation, including problems where both decimal and scientific notation are used. Use scientific notation and choose units of appropriate size for measurements of very large or very small quantities (e.g., use millimeters per year for seafloor spreading). Interpret scientific notation that has been generated by technology.	Scientific Notation > Perform Operations Using Scientific Notation > Discover > Investigate > Investigation 1: With a Feather on Top https://app.discoveryeducation.com/learn/techbook/units/2e07479f-63e5-4f2b-a4a1-fc18d4f27875/concepts/92421269-31ea-42d0-b47b-578cedac070c/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/8336c068-39c2-4c25-bb6f-47f90bbbbc00

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MAFS.8.EE.1.4	Perform operations with numbers expressed in scientific notation, including problems where both decimal and scientific notation are used. Use scientific notation and choose units of appropriate size for measurements of very large or very small quantities (e.g., use millimeters per year for seafloor spreading). Interpret scientific notation that has been generated by technology.	Scientific Notation > Perform Operations Using Scientific Notation > Discover > Investigate > Investigation 2: Write It Right

https://app.discoveryeducation.com/learn/techbook/units/2e07479f-63e5-4f2b-a4a1-fc18d4f27875/concepts/92421269-31ea-42d0-b47b-578cedac070c/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/579af444-ae87-44a1-a130-22cda5699da5 |
| MAFS.8.EE.1.4 | Perform operations with numbers expressed in scientific notation, including problems where both decimal and scientific notation are used. Use scientific notation and choose units of appropriate size for measurements of very large or very small quantities (e.g., use millimeters per year for seafloor spreading). Interpret scientific notation that has been generated by technology. | Scientific Notation > Perform Operations Using Scientific Notation > Discover > Investigate > Investigation 3: Name That Pattern > Hands-on Activity: Multiplying and Dividing with Scientific Notation

https://app.discoveryeducation.com/learn/player/104b8013-7725-45e4-ab0f-684a9fcf857d |
| MAFS.8.EE.1.4 | Perform operations with numbers expressed in scientific notation, including problems where both decimal and scientific notation are used. Use scientific notation and choose units of appropriate size for measurements of very large or very small quantities (e.g., use millimeters per year for seafloor spreading). Interpret scientific notation that has been generated by technology. | Scientific Notation > Represent Large and Small Numbers > Discover > Investigate > Extension: Convert It!

https://app.discoveryeducation.com/learn/techbook/units/2e07479f-63e5-4f2b-a4a1-fc18d4f27875/concepts/8b97a8e7-079d-4b74-8eed-bc9e3e0d5394/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/73f467e1-489d-4fda-a3cf-ffb17eae06a3 |
| MAFS.8.EE.2.5 | Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways. | Introduction to Functions > Represent Proportional Relationships > Discover > Investigate > Investigation 1:Getting to School

https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/bcea2e30-74a4-4500-84bc-6d4470261b4a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/4b030e18-6ebd-4c2d-bf06-4c9553985bb8 |

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MAFS.8.EE.2.5	Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways.	Introduction to Functions > Represent Proportional Relationships > Discover > Investigate > Investigation 2: Similar Triangles and Slope https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/bcea2e30-74a4-4500-84bc-6d4470261b4a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/3d591f76-a989-4fcb-b3af-e959411dc3fa
MAFS.8.EE.2.5	Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways.	Introduction to Functions > Represent Proportional Relationships > Discover > Investigate > Investigation 3: Rate of Change and Slope https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/bcea2e30-74a4-4500-84bc-6d4470261b4a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/2485c9d5-4ca4-4b5d-a812-58d1cf3635e4
MAFS.8.EE.2.6	Use similar triangles to explain why the slope m is the same between any two distinct points on a non-vertical line in the coordinate plane; derive the equation ⬜ùò∫ = ⬜ùòÆ⬜ùòπ for a line through the origin and the equation ⬜ùò∫ = ⬜ùòÆ⬜ùòπ + ⬜ùò£ for a line intercepting the vertical axis at ⬜ùò£.	Introduction to Functions > Understand Linear Functions > Discover > Investigate > Investigation 1: Graphing Toothpick Triangles https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/1353d0c0-4593-4166-92d0-bf5789685d58/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/0b58c2c8-6f4d-4e17-84ee-beb6663441df
MAFS.8.EE.2.6	Use similar triangles to explain why the slope m is the same between any two distinct points on a non-vertical line in the coordinate plane; derive the equation ⬜ùò∫ = ⬜ùòÆ⬜ùòπ for a line through the origin and the equation ⬜ùò∫ = ⬜ùòÆ⬜ùòπ + ⬜ùò£ for a line intercepting the vertical axis at ⬜ùò£.	Introduction to Functions > Understand Linear Functions > Discover > Investigate > Investigation 2: Translations of y = mx https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/1353d0c0-4593-4166-92d0-bf5789685d58/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/3db37d23-52ca-4a25-81fb-053c6d3cd6d5

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MAFS.8.EE.2.6	Use similar triangles to explain why the slope m is the same between any two distinct points on a non-vertical line in the coordinate plane; derive the equation ￼ùò∫ = ￼ùòÆ￼ùòπ for a line through the origin and the equation ￼ùò∫ = ￼ùòÆ￼ùòπ + ￼ùò£ for a line intercepting the vertical axis at ￼ùò£.	Introduction to Functions > Understand Linear Functions > Extension: Explore Graphs https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/1353d0c0-4593-4166-92d0-bf5789685d58/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9ed0c9a1-e147-4dca-be86-49ed567ea265
MAFS.8.EE.3.7.a	Give examples of linear equations in one variable with one solution, infinitely many solutions, or no solutions. Show which of these possibilities is the case by successively transforming the given equation into simpler forms, until an equivalent equation of the form ￼ùòπ = ￼ùò¢, ￼ùò¢ = ￼ùò¢, or ￼ùò¢ = ￼ùò£ results (where ￼ùò¢ and ￼ùò£ are different numbers).	Linear Relationships> Solve Linear Equations Algebraically > Investigation 1: Model it, Solve it, Build it! https://app.discoveryeducation.com/learn/techbook/units/9103230a-7c77-46f7-9886-e76fdb31dee0/concepts/88d3387d-6603-4c5c-a37e-d2f4b8d56a63/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d153affd-958f-4009-bba5-33cd39bd6783
MAFS.8.EE.3.7.a	Give examples of linear equations in one variable with one solution, infinitely many solutions, or no solutions. Show which of these possibilities is the case by successively transforming the given equation into simpler forms, until an equivalent equation of the form ￼ùòπ = ￼ùò¢, ￼ùò¢ = ￼ùò¢, or ￼ùò¢ = ￼ùò£ results (where ￼ùò¢ and ￼ùò£ are different numbers).	Linear Relationships > Solve Linear Equations Algebraically > Investigation 2: Solve Equations for a Specific Variable https://app.discoveryeducation.com/learn/techbook/units/9103230a-7c77-46f7-9886-e76fdb31dee0/concepts/88d3387d-6603-4c5c-a37e-d2f4b8d56a63/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/025b76f1-e3ef-4c3d-902c-635b1ea93e0c
MAFS.8.EE.3.7.a	Give examples of linear equations in one variable with one solution, infinitely many solutions, or no solutions. Show which of these possibilities is the case by successively transforming the given equation into simpler forms, until an equivalent equation of the form ￼ùòπ = ￼ùò¢, ￼ùò¢ = ￼ùò¢, or ￼ùò¢ = ￼ùò£ results (where ￼ùò¢ and ￼ùò£ are different numbers).	Linear Relationships > Solve Linear Equations Algebraically > Investigation 3: Number of Solutions https://app.discoveryeducation.com/learn/techbook/units/9103230a-7c77-46f7-9886-e76fdb31dee0/concepts/88d3387d-6603-4c5c-a37e-d2f4b8d56a63/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/68a10a42-6d5c-4066-a92f-62f9206010f2

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MAFS.8.EE.3.7.b	Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.	Linear Relationships > Explore Linear Functions and Linear Equations > Discover > Investigate > Investigation 1: Functions and Tables https://app.discoveryeducation.com/learn/techbook/units/9103230a-7c77-46f7-9886-e76fdb31dee0/concepts/f4dc58af-d865-4865-98ab-8434276d4920/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/8dc358ec-41e0-4349-a822-a2b8ba316b8e
MAFS.8.EE.3.7.b	Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.	Linear Relationships > Solve Linear Equations Algebraically > Discover > Investigate > Investigation 4: Comparing Solution Methods https://app.discoveryeducation.com/learn/techbook/units/9103230a-7c77-46f7-9886-e76fdb31dee0/concepts/88d3387d-6603-4c5c-a37e-d2f4b8d56a63/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/4925057c-d633-4719-9c44-944c18522f47
MAFS.8.EE.3.7.b	Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.	Linear Relationships > Solve Linear Equations Algebraically > Investigation 2: Solving Equations for a Specific Variable https://app.discoveryeducation.com/learn/techbook/units/9103230a-7c77-46f7-9886-e76fdb31dee0/concepts/88d3387d-6603-4c5c-a37e-d2f4b8d56a63/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/025b76f1-e3ef-4c3d-902c-635b1ea93e0c
MAFS.8.EE.3.8.a	Understand that solutions to a system of two linear equations in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations simultaneously.	Linear Systems > Model Situations with Multiple Equations > Discover > Investigate > Investigation 1: When Will the Runners Cross Paths? > Hands-on Activity: When Will the Runners Cross Paths? https://app.discoveryeducation.com/learn/player/bf580a0f-bb46-4d39-9efc-b01b66f6807f

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MAFS.8.EE.3.8.a	Understand that solutions to a system of two linear equations in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations simultaneously.	Linear Systems > Model Situations with Multiple Equations > Discover > Investigate > Investigation 2: The Solutions to Graphs of Systems https://app.discoveryeducation.com/learn/techbook/units/27a72144-8781-4826-9df8-1f2a1a469105/concepts/d701728c-7ce7-4640-a1a9-22d8ed8253ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/ac622a94-89e3-45bc-a553-d7f6a34c7353
MAFS.8.EE.3.8.a	Understand that solutions to a system of two linear equations in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations simultaneously.	Linear Systems > Model Situations with Multiple Equations > Discover > Investigate > Investigation 3: Mixture Mysteries https://app.discoveryeducation.com/learn/techbook/units/27a72144-8781-4826-9df8-1f2a1a469105/concepts/d701728c-7ce7-4640-a1a9-22d8ed8253ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/cc8210bb-9a3c-4b41-b053-a4bc5ad18a40
MAFS.8.EE.3.8.b	Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection.	Linear Systems > Model Situations with Multiple Equations > Discover > Investigate > Investigation 4: Substitution https://app.discoveryeducation.com/learn/techbook/units/27a72144-8781-4826-9df8-1f2a1a469105/concepts/d701728c-7ce7-4640-a1a9-22d8ed8253ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/e05e006e-f128-492c-9af1-4b960d5ba69b
MAFS.8.EE.3.8.b	Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection.	Linear Systems > Model Situations with Multiple Equations > Discover > Investigate > Investigation 5: Elimination https://app.discoveryeducation.com/learn/techbook/units/27a72144-8781-4826-9df8-1f2a1a469105/concepts/d701728c-7ce7-4640-a1a9-22d8ed8253ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/581e2ce7-2e4b-4c47-91d1-ceff13bd2a21

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MAFS.8.EE.3.8.b	Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection.	Linear Systems > Model Situations with Multiple Equations > Discover > Investigate > Investigation 6: Elimination or Substitution https://app.discoveryeducation.com/learn/techbook/units/27a72144-8781-4826-9df8-1f2a1a469105/concepts/d701728c-7ce7-4640-a1a9-22d8ed8253ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/16aa9dd6-e991-4d93-82c3-2f6f44796033
MAFS.8.EE.3.8.c	Solve real-world and mathematical problems leading to two linear equations in two variables.	Linear Systems > Model Situations with Multiple Equations > Apply > Apply 1: How Does the Wind Affect Flight Times? https://app.discoveryeducation.com/learn/techbook/units/27a72144-8781-4826-9df8-1f2a1a469105/concepts/d701728c-7ce7-4640-a1a9-22d8ed8253ef/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/c66a2fb3-3659-4c75-90e4-8da8546c3f1d
MAFS.8.EE.3.8.c	Solve real-world and mathematical problems leading to two linear equations in two variables.	Linear Systems > Model Situations with Multiple Equations > Apply > Apply 2: How Much Will Each Pet Cost? https://app.discoveryeducation.com/learn/techbook/units/27a72144-8781-4826-9df8-1f2a1a469105/concepts/d701728c-7ce7-4640-a1a9-22d8ed8253ef/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/a0386d40-3c90-4f82-bb7c-e8c0afff1516
MAFS.8.EE.3.8.c	Solve real-world and mathematical problems leading to two linear equations in two variables.	Linear Systems > Model Situations with Multiple Equations > Discover > Investigate > Investigation 3: Mixture Mysteries https://app.discoveryeducation.com/learn/techbook/units/27a72144-8781-4826-9df8-1f2a1a469105/concepts/d701728c-7ce7-4640-a1a9-22d8ed8253ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/cc8210bb-9a3c-4b41-b053-a4bc5ad18a40

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MAFS.8.F.1.1	Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.	Introduction to Functions > Graph, Describe, and Analyze Functions > Discover > Investigate > Investigation 4: Function Behavior https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/0218dae9-0f49-4f12-baee-2fa9bad4cf8d/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/7185dcd8-1e1b-455b-afcc-b3c8597729bf
MAFS.8.F.1.1	Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.	Introduction to Functions > Understand Linear Functions > Discover > Investigate > Investigation 3: Undefined Slope and Zero Slope https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/1353d0c0-4593-4166-92d0-bf5789685d58/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/2aab51d4-86ef-4b8f-a137-fc0c28a32884
MAFS.8.F.1.1	Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.	Introduction to Functions > Investigate Properties of Functions > Discover > Investigate > Investigation 1: What is a Function? https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/7ebfe015-0ff0-4dc3-93c0-6fd551b51c60/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/b301d6d1-e4e3-45e1-b205-7afcc0802b07
MAFS.8.F.1.2	Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).	Introduction to Functions > Understand Linear Functions > Discover > Investigate > Investigation 2: Translations of y = mx > Comparing Scenarios https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/1353d0c0-4593-4166-92d0-bf5789685d58/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/3db37d23-52ca-4a25-81fb-053c6d3cd6d5

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MAFS.8.F.1.2	Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).	Introduction to Functions > Graph, Describe, and Analyze Functions > Discover > Investigate > Investigation 3: Compare Perimeter and Area https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/0218dae9-0f49-4f12-baee-2fa9bad4cf8d/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/ebba3bda-a28d-4b80-9209-8d36594f0d71
MAFS.8.F.1.2	Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).	Introduction to Functions > Investigate Properties of Functions > Discover > Investigate > Investigation 4: Match the Function > Hands-On Activity: Matching Functions Game https://app.discoveryeducation.com/learn/player/bc49369d-7885-4039-99a1-60be677be2f9
MAFS.8.F.1.3	Interpret the equation $y = mx + b$ as defining a linear function, whose graph is a straight line; give examples of functions that are not linear.	Introduction to Functions > Graph, Describe, and Analyze Functions > Discover > Investigate > Investigation 3: Compare Perimeter and Area https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/0218dae9-0f49-4f12-baee-2fa9bad4cf8d/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/ebba3bda-a28d-4b80-9209-8d36594f0d71
MAFS.8.F.1.3	Interpret the equation $y = mx + b$ as defining a linear function, whose graph is a straight line; give examples of functions that are not linear.	Introduction to Functions > Understand Linear Functions > Discover > Investigate > Investigation 2: Translations of y = mx > Job Earnings with Bonus https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/1353d0c0-4593-4166-92d0-bf5789685d58/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/3db37d23-52ca-4a25-81fb-053c6d3cd6d5

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MAFS.8.F.1.3	Interpret the equation ⬜ùòʃ = ⬜ùòÆ⬜ùòπ + ⬜ùò£ as defining a linear function, whose graph is a straight line; give examples of functions that are not linear.	Introduction to Functions > Represent Proportional Relationships > Discover > Investigate > Extension https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/bcea2e30-74a4-4500-84bc-6d4470261b4a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/ddffb48c-79a0-414c-9bda-0271b1823864
MAFS.8.F.2.4	Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (⬜ùòπ, ⬜ùòʃ) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values.	Introduction to Functions > Understand Linear Functions > Discover > Investigate > Investigation 4: Linear Functions https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/1353d0c0-4593-4166-92d0-bf5789685d58/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d5b9201b-d268-4122-adda-a56221e20fb6
MAFS.8.F.2.4	Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (⬜ùòπ, ⬜ùòʃ) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values.	Linear Relationships > Explore Linear Functions and Linear Equations > Apply > Apply 1: How Can You Use the Length of a Humerus to Approximate Height? https://app.discoveryeducation.com/learn/techbook/units/9103230a-7c77-46f7-9886-e76fdb31dee0/concepts/f4dc58af-d865-4865-98ab-8434276d4920/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/63516c3d-8e69-43b9-b8d5-d99667e7c988
MAFS.8.F.2.4	Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (⬜ùòπ, ⬜ùòʃ) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values.	Introduction to Functions > Represent Proportional Relationships > Discover > Investigate > Investigation 1: Getting to School https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/bcea2e30-74a4-4500-84bc-6d4470261b4a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/4b030e18-6ebd-4c2d-bf06-4c9553985bb8

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MAFS.8.F.2.4	Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (☐ùòπ, ☐ùòʃ) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values.	Introduction to Functions > Investigate Properties of Functions > Discover > Investigate > Investigation 2: It's Functional > Hands-on Activity: It's Functional https://app.discoveryeducation.com/learn/player/b0ccba94-da86-4798-ad25-ff117306878d
MAFS.8.F.2.5	Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.	Introduction to Functions > Understand Linear Functions > Apply > Apply 3: How Can You Model Real-World Functions? https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/1353d0c0-4593-4166-92d0-bf5789685d58/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/cebae879-6397-4711-8011-c69d4bd8f195
MAFS.8.F.2.5	Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.	Introduction to Functions > Graph, Describe, and Analyze Functions > Discover > Investigate > Investigation 4: Function Behavior > Part 2 https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/0218dae9-0f49-4f12-baee-2fa9bad4cf8d/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/7185dcd8-1e1b-455b-afcc-b3c8597729bf
MAFS.8.F.2.5	Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.	Introduction to Functions > Investigate Properties of Functions > Discover > Investigate > Investigation 4: Match the Function > Hands-On Activity: Matching Functions Game https://app.discoveryeducation.com/learn/player/bc49369d-7885-4039-99a1-60be677be2f9

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MAFS.8.F.2.5	Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.	Linear Relationships > Explore Linear Functions and Linear Equations > Apply > Apply 3: How Can You Make Plans for a Gigantic Work of Art? > Analyze a Graph https://app.discoveryeducation.com/learn/techbook/units/9103230a-7c77-46f7-9886-e76fdb31dee0/concepts/f4dc58af-d865-4865-98ab-8434276d4920/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/bdd3edae-c743-4129-bdcd-021ca0cd70c4
MAFS.8.G.1.1.a	Lines are taken to lines, and line segments to line segments of the same length.	Congruence and Similarity > Investigate Geometric Transformations > Discover > Investigate > Investigation 2: Action Figures > Transforming a Line Segment https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/e6ce97a5-3790-4781-a0d4-7d24eff3d7a4/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/b018f3d1-8ba4-4aab-b434-34e2f6039feb
MAFS.8.G.1.1.a	Lines are taken to lines, and line segments to line segments of the same length.	Congruence and Similarity > Perform Multiple Transformations > Discover > Investigate > Investigation 1: Multiple Transformations > Analyze Transformations https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/e78f761c-01f1-4e90-8f01-96d31975a846/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a004bfc0-37c9-4367-9724-7525df756d31
MAFS.8.G.1.1.a	Lines are taken to lines, and line segments to line segments of the same length.	Intersecting Lines and Angles > Investigate Parallel and Intersecting Lines > Discover > Investigate > Investigation 3: Lines Angles and Triangles https://app.discoveryeducation.com/learn/techbook/units/178d1a83-54e0-4c10-8ceb-03a0f80c75aa/concepts/9a45e54c-fbde-4976-b86a-71ee58c86afb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/78cdb766-16da-4617-9561-b4a62dd9f856

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MAFS.8.G.1.1.b	Angles are taken to angles of the same measure.	Congruence and Similarity > Investigate Geometric Transformations > Discover > Investigate > Investigation 1: Triangle Patterns > Hands-on Activity: Triangle Patterns https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/e6ce97a5-3790-4781-a0d4-7d24eff3d7a4/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9c8f2866-c2ae-459b-b577-1312d93c6ae9
MAFS.8.G.1.1.b	Angles are taken to angles of the same measure.	Congruence and Similarity > Perform Multiple Transformations > Discover > Investigate > Investigation 1: Multiple Transformations > Analyze Transformations https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/e78f761c-01f1-4e90-8f01-96d31975a846/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a004bfc0-37c9-4367-9724-7525df756d31
MAFS.8.G.1.1.b	Angles are taken to angles of the same measure.	Intersecting Lines and Angles > Investigate Parallel and Intersecting Lines > Discover > Investigate > Investigation 3: Lines Angles and Triangles https://app.discoveryeducation.com/learn/techbook/units/178d1a83-54e0-4c10-8ceb-03a0f80c75aa/concepts/9a45e54c-fbde-4976-b86a-71ee58c86afb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/78cdb766-16da-4617-9561-b4a62dd9f856
MAFS.8.G.1.1.c	Parallel lines are taken to parallel lines.	Congruence and Similarity > Investigate Geometric Transformations > Discover > Investigate > Investigation 3: Action Figures in the Coordinate Plane > translating Two-dimensional Figures in the Coordinate Plane https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/e6ce97a5-3790-4781-a0d4-7d24eff3d7a4/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/b7336a5e-cfd4-495c-ae2c-cb34bcf2c119

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MAFS.8.G.1.1.c	Parallel lines are taken to parallel lines.	Congruence and Similarity > Perform Multiple Transformations > Discover > Investigate > Investigation 1: Multiple Transformations > Reflect and Translate a Quadrilateral https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/e78f761c-01f1-4e90-8f01-96d31975a846/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a004bfc0-37c9-4367-9724-7525df756d31
MAFS.8.G.1.1.c	Parallel lines are taken to parallel lines.	Congruence and Similarity > Perform Multiple Transformations > Discover > Investigate > Investigation 2: Matching Figures https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/e78f761c-01f1-4e90-8f01-96d31975a846/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d6f28654-31e7-42ad-87d3-b4f853df67cf
MAFS.8.G.1.2	Understand that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations; given two congruent figures, describe a sequence that exhibits the congruence between them.	Congruence and Similarity > Perform Multiple Transformations > Discover > Investigate > Investigation 1: Multiple Transformations > Analyze Multiple Transformations https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/e78f761c-01f1-4e90-8f01-96d31975a846/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/a004bfc0-37c9-4367-9724-7525df756d31
MAFS.8.G.1.2	Understand that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations; given two congruent figures, describe a sequence that exhibits the congruence between them.	Congruence and Similarity > Perform Multiple Transformations > Discover > Investigate > Investigation 3: Matching Figures on the Coordinate Plane > Describe Multiple Transformations Across the x-axis and y-axis https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/e78f761c-01f1-4e90-8f01-96d31975a846/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/e2d84ec7-25fb-43ef-9878-1ad28349a18d

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MAFS.8.G.1.2	Understand that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations; given two congruent figures, describe a sequence that exhibits the congruence between them.	Congruence and Similarity > Perform Multiple Transformations > Discover > Investigate > Investigation 2: Matching Figures https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/e78f761c-01f1-4e90-8f01-96d31975a846/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d6f28654-31e7-42ad-87d3-b4f853df67cf
MAFS.8.G.1.3	Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates.	Introduction to Functions > Understand Linear Functions > Discover > Investigate > Investigation 2: Translations of y = mx https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/1353d0c0-4593-4166-92d0-bf5789685d58/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/3db37d23-52ca-4a25-81fb-053c6d3cd6d5
MAFS.8.G.1.3	Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates.	Congruence and Similarity > Perform Multiple Transformations > Discover > Investigate > Investigation 3: Matching Figures on the Coordinate Plane > Describe Multiple Transformations In the Coordinate Plane https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/e78f761c-01f1-4e90-8f01-96d31975a846/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/e2d84ec7-25fb-43ef-9878-1ad28349a18d
MAFS.8.G.1.3	Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates.	Congruence and Similarity > Investigate Geometric Transformations > Discover > Investigate > Investigation 3: Action Figures in the Coordinate Plane > Translating Two-dimensional Figures in the Coordinate Plane https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/e6ce97a5-3790-4781-a0d4-7d24eff3d7a4/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/b7336a5e-cfd4-495c-ae2c-cb34bcf2c119

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MAFS.8.G.1.3	Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates.	Congruence and Similarity > Represent Similarity with Proportions > Apply > Apply 2: How Would You Make a Stencil Pattern https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/3dda662e-fb4f-4fe0-b011-11ef7c39257a/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/e97763a5-0103-47ef-acbd-47f82d0bf284
MAFS.8.G.1.4	Understand that a two-dimensional figure is similar to another if the second can be obtained from the first by a sequence of rotations, reflections, translations, and dilations; given two similar two-dimensional figures, describe a sequence that exhibits the similarity between them.	Congruence and Similarity > Represent Similarity with Proportions > Discover > Investigate > Investigation 1: Sizing It Up (or Down) > Hand-On Activity: Exploring Dilations https://app.discoveryeducation.com/learn/player/a949b16c-0d97-4e4a-85d4-d05a2985c431
MAFS.8.G.1.4	Understand that a two-dimensional figure is similar to another if the second can be obtained from the first by a sequence of rotations, reflections, translations, and dilations; given two similar two-dimensional figures, describe a sequence that exhibits the similarity between them.	Congruence and Similarity > Represent Similarity with Proportions > Discover > Investigate > Investigation 2: All the Right Moves > Transform a Polygon https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/3dda662e-fb4f-4fe0-b011-11ef7c39257a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/eeb1131d-97cd-4e70-8e34-19aa3613a697
MAFS.8.G.1.4	Understand that a two-dimensional figure is similar to another if the second can be obtained from the first by a sequence of rotations, reflections, translations, and dilations; given two similar two-dimensional figures, describe a sequence that exhibits the similarity between them.	Congruence and Similarity > Represent Similarity with Proportions > Apply > Apply 1: Where Do You See Transformations in Art? https://app.discoveryeducation.com/learn/techbook/units/9ea0d93a-3a1c-494b-9626-f1170be6310c/concepts/3dda662e-fb4f-4fe0-b011-11ef7c39257a/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/c6fa7d54-084f-4d57-ba1b-b3c842f937ec

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MAFS.8.G.1.5	Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles.	Congruence and Similarity > Represent Similarity with Proportions > Discover > Investigate > Investigation 3: Similar Triangles > Hands-On Activity: Similar Triangles https://app.discoveryeducation.com/learn/player/596c1a1b-23a2-4428-a59d-789b9b1561b7
MAFS.8.G.1.5	Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles.	The Pythagorean Theorem > Investigate the Pythagorean Theorem Converse > Discover > Investigate > Investigation 1: Is the Rocket Perpendicular? https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/19e354eb-c517-4794-ade4-b07233107a6b/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/c71bbea6-ae0a-4e16-8e81-be3b03a3d29c
MAFS.8.G.1.5	Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles.	Intersecting Lines and Angles > Understand Interior and Exterior Angles > Discover > Investigate > Investigation 2: Exploring the Exterior > Hands-On Activity: Exploring the Exterior https://app.discoveryeducation.com/learn/player/0f6ecbbc-dacb-4737-9599-cc7735dd0f80
MAFS.8.G.1.5	Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles.	Intersecting Lines and Angles > Investigate Parallel and Intersecting Lines > Discover > Investigate > Investigation 1: Transversal and Parallel Lines https://app.discoveryeducation.com/learn/techbook/units/178d1a83-54e0-4c10-8ceb-03a0f80c75aa/concepts/9a45e54c-fbde-4976-b86a-71ee58c86afb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/8b2a40f6-b2c4-48d6-83af-e7733b288fa7

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MAFS.8.G.2.6	Explain a proof of the Pythagorean Theorem and its converse.	The Pythagorean Theorem > Investigate the Pythagorean Theorem > Discover > Investigate > Investigation 2: Conduct and Experiment > Interactive: Squares on a Triangle https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/c93bbe5b-6081-487a-942b-13c141581da6/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/b191e128-3614-4ff7-b055-dcdefdbd71bd
MAFS.8.G.2.6	Explain a proof of the Pythagorean Theorem and its converse.	The Pythagorean Theorem > Investigate the Pythagorean Theorem > Discover > Investigate > Investigation 3: Examine a Proof of the Pythagorean Theorem https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/c93bbe5b-6081-487a-942b-13c141581da6/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d9515e43-93d4-4820-b9bc-6e6cbcc52c5f
MAFS.8.G.2.6	Explain a proof of the Pythagorean Theorem and its converse.	The Pythagorean Theorem > Investigate the Pythagorean Theorem Converse > Discover > Investigate > Investigation 3: Informal Proofs https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/19e354eb-c517-4794-ade4-b07233107a6b/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9e99c917-dc4d-4021-aaea-717c609c2c8b
MAFS.8.G.2.7	Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.	The Pythagorean Theorem > Investigate the Pythagorean Theorem > Discover > Investigate > Investigation 4: How Is the Pythagorean Theorem Used to Solve Problems? https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/c93bbe5b-6081-487a-942b-13c141581da6/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/6fbdc7a7-d995-4eb1-8d4e-0bee2b84fcba

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MAFS.8.G.2.7	Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.	The Pythagorean Theorem > Use the Pythagorean Theorem in 2-D and 3-D > Discover > Investigate > Investigation 3: Fitting a Tripod into a Box https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/1828e238-33b5-4647-a7f2-6747e8c6e549/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9e5e1fef-0c93-4543-9e91-7416ad57cfdd
MAFS.8.G.2.7	Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.	The Pythagorean Theorem > Investigate the Pythagorean Theorem > Apply > Apply 1: What Are the Dimensions of a Flat-Screen TV? https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/c93bbe5b-6081-487a-942b-13c141581da6/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/2925e6ba-e3e9-476c-8eec-19a6ef28ff43
MAFS.8.G.2.8	Apply the Pythagorean Theorem to find the distance between two points in a coordinate system.	The Pythagorean Theorem > Use the Pythagorean Theorem in 2-D and 3-D > Discover > Investigate > Investigation 1: Finding a Route for the Courier https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/1828e238-33b5-4647-a7f2-6747e8c6e549/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/3b2b5a68-ec5c-4557-b583-dd3ced98f70c
MAFS.8.G.2.8	Apply the Pythagorean Theorem to find the distance between two points in a coordinate system.	The Pythagorean Theorem > Use the Pythagorean Theorem in 2-D and 3-D > Discover > Investigate > Investigation 2: Anandi's Method https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/1828e238-33b5-4647-a7f2-6747e8c6e549/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/cf3763f8-55cb-4008-b1d1-bbcf7521a035

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MAFS.8.G.2.8	Apply the Pythagorean Theorem to find the distance between two points in a coordinate system.	The Pythagorean Theorem > Use the Pythagorean Theorem in 2-D and 3-D > Apply > Apply 1: What is the Shortest Path on the Map? https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/1828e238-33b5-4647-a7f2-6747e8c6e549/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/ae00e236-456b-47ff-a7c6-ae389672cd42
MAFS.8.G.3.9	Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.	Volume of Solid Figures > Investigate Volume Formulas > Discover > Investigate > Investigation 2: Volume of Cylinders and Cones > Hands-on Activity: Prisms and Cylinders > https://app.discoveryeducation.com/learn/player/812c2901-a9ce-4342-b28d-1759a3053df5
MAFS.8.G.3.9	Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.	Volume of Solid Figures > Investigate Volume Formulas > Discover > Investigate > Investigation 3: Volume of a Sphere https://app.discoveryeducation.com/learn/techbook/units/9b962216-ccf7-4e86-813b-90d8042fff94/concepts/c7f089f3-4afe-44cc-9230-b43aac565ab7/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/3b77469f-6dbe-45bb-afbd-c3e318533cf9
MAFS.8.G.3.9	Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.	Volume of Solid Figures > Investigate Volume Formulas > Apply > Apply 2: How Can You Turn a Cube into a Cylinder, a Cone, and a Sphere? https://app.discoveryeducation.com/learn/techbook/units/9b962216-ccf7-4e86-813b-90d8042fff94/concepts/c7f089f3-4afe-44cc-9230-b43aac565ab7/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/0e527ca1-16f5-4f9b-a3f2-bfe634419a99

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MAFS.8.NS.1.1	Know that numbers that are not rational are called irrational. Understand informally that every number has a decimal expansion; for rational numbers show that the decimal expansion repeats eventually, and convert a decimal expansion which repeats eventually into a rational number.	Real Numbers > Convert between Decimals and Fractions > Discover > Investigate > Investigation 1: Shape Shifting Part 1: Fractions to Decimals > Hands-on Activity: Using a Spreadsheet https://app.discoveryeducation.com/learn/player/cddb792c-eb83-4c08-b9b3-fdd3688df27c
MAFS.8.NS.1.1	Know that numbers that are not rational are called irrational. Understand informally that every number has a decimal expansion; for rational numbers show that the decimal expansion repeats eventually, and convert a decimal expansion which repeats eventually into a rational number.	Real Numbers > Convert between Decimals and Fractions > Discover > Investigate > Investigation 2: Shape Shifting Part 2: Decimals to Fractions https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/2939c6b8-238d-416a-86a4-3741c61b01ab/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/412d62d1-81ec-4626-9af3-f13bdb0f5b9b
MAFS.8.NS.1.1	Know that numbers that are not rational are called irrational. Understand informally that every number has a decimal expansion; for rational numbers show that the decimal expansion repeats eventually, and convert a decimal expansion which repeats eventually into a rational number.	Real Numbers > Compare Rational and Irrational Numbers > Discover > Investigate > Investigation 1: Which One is Not Like the Others? https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/615209e6-3972-4826-837c-923ee2eaf27b/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/2be6e827-00fa-42c7-867b-092b960a93e8
MAFS.8.NS.1.2	Use rational approximations of irrational numbers to compare the size of irrational numbers, locate them approximately on a number line diagram, and estimate the value of expressions (e.g., œÄ¬≤).	Real Numbers > Compare Rational and Irrational Numbers > Discover > Investigate > Investigation 3: Zooming In https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/615209e6-3972-4826-837c-923ee2eaf27b/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/c2d62833-0cd2-4f2a-8ca6-1763d760c2e7

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MAFS.8.NS.1.2	Use rational approximations of irrational numbers to compare the size of irrational numbers, locate them approximately on a number line diagram, and estimate the value of expressions (e.g., œÄ¬≤).	Real Numbers > Compare Rational and Irrational Numbers > Discover > Investigate > Investigation 2: Squaring Up > Interactive: Tiling a Shower https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/615209e6-3972-4826-837c-923ee2eaf27b/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/d275430b-6e01-43d5-91b2-fc49e5b1cb75
MAFS.8.NS.1.2	Use rational approximations of irrational numbers to compare the size of irrational numbers, locate them approximately on a number line diagram, and estimate the value of expressions (e.g., œÄ¬≤).	Real Numbers > Compare Rational and Irrational Numbers > Discover > Investigate > Investigation 3: Zooming In > Hands-On Activity: Sliding Number Lines https://app.discoveryeducation.com/learn/player/2cfef748-3b1b-42bf-8bb1-187bb4993010
MAFS.8.SP.1.1	Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association.	Bivariate Data > Create and Analyze Scatter Plots > Discover > Investigate > Investigation 2: Scattered > Which are Outliers? https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/db36f7dd-762b-4c67-8d05-973ceadf30eb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9dd2081a-8d2c-425e-9b7f-83f390acbbf7
MAFS.8.SP.1.1	Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association.	Bivariate Data > Create and Analyze Scatter Plots > Discover > Investigate > Investigation 2: Scattered > Data Associations https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/db36f7dd-762b-4c67-8d05-973ceadf30eb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9dd2081a-8d2c-425e-9b7f-83f390acbbf7

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MAFS.8.SP.1.1	Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association.	Bivariate Data > Create and Analyze Scatter Plots > Discover > Investigate > Investigation 1: Scatter Plots Revealed https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/db36f7dd-762b-4c67-8d05-973ceadf30eb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/73f62ac8-5df2-41bd-bab6-318bbbe69cb6
MAFS.8.SP.1.2	Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line, and informally assess the model fit by judging the closeness of the data points to the line.	Bivariate Data > Generate Lines of Best Fit > Discover > Investigate > Investigation 2: Which Fits Best? > Hands- On Activity: Which Fits Best https://app.discoveryeducation.com/learn/player/4ad1abbc-8e6c-4a3b-a211-358f522b8378
MAFS.8.SP.1.2	Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line, and informally assess the model fit by judging the closeness of the data points to the line.	Bivariate Data > Generate Lines of Best Fit > Discover > Investigate > Investigation 3: Go to the Line > Hands- On Activity: Go to the Line https://app.discoveryeducation.com/learn/player/90a3f1f4-0f7b-4f80-9063-caa54ce9f411
MAFS.8.SP.1.2	Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line, and informally assess the model fit by judging the closeness of the data points to the line.	Bivariate Data > Create and Analyze Scatter Plots > Discover > Investigate > Investigation 2: Scattered > Data Associations https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/db36f7dd-762b-4c67-8d05-973ceadf30eb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/9dd2081a-8d2c-425e-9b7f-83f390acbbf7

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MAFS.8.SP.1.3	Use the equation of a linear model to solve problems in the context of bivariate measurement data, interpreting the slope and intercept.	Bivariate Data > Generate Lines of Best Fit > Apply > Apply 1: What Relationships Exist Between Calories, Fat, Cholesterol, Salt, and Other Nutrients? https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/25d243e0-b7e1-455b-884d-6110d359b00e/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/8f2caf1b-14ad-4f47-b7f4-f3bef16052dc
MAFS.8.SP.1.3	Use the equation of a linear model to solve problems in the context of bivariate measurement data, interpreting the slope and intercept.	Bivariate Data > Generate Lines of Best Fit > Discover > Investigate > Investigation 4: Predictions About the Wave > Write an Equation > Interpret the Slope and y-intercept https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/25d243e0-b7e1-455b-884d-6110d359b00e/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/1c9d1dd0-c316-4e72-a337-ca29e39e8785
MAFS.8.SP.1.3	Use the equation of a linear model to solve problems in the context of bivariate measurement data, interpreting the slope and intercept.	Bivariate Data > Create and Analyze Scatter Plots > Discover > Investigate > Investigation 3: Analyzing Scatter Plots > Make a Conjecture https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/db36f7dd-762b-4c67-8d05-973ceadf30eb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/1670a120-382d-46d6-8a02-e945833ecad9
MAFS.8.SP.1.4	Understand that patterns of association can also be seen in bivariate categorical data by displaying frequencies and relative frequencies in a two-way table. Construct and interpret a two-way table summarizing data on two categorical variables collected from the same subjects. Use relative frequencies calculated for rows or columns to describe possible association between the two variables.	Bivariate Data > Create and Analyze Two-Way Tables > Apply > Apply 1: Are the Books and Movies That People Like Related? https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/c59fdefa-441a-4efb-9949-08af3d9c483a/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/2881f053-b1cf-4f6e-b8e1-0bef929865bf

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MAFS.8.SP.1.4	Understand that patterns of association can also be seen in bivariate categorical data by displaying frequencies and relative frequencies in a two-way table. Construct and interpret a two-way table summarizing data on two categorical variables collected from the same subjects. Use relative frequencies calculated for rows or columns to describe possible association between the two variables.	Bivariate Data > Create and Analyze Two-Way Tables > Discover > Investigate > Investigation 1: Let's Table It! https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/c59fdefa-441a-4efb-9949-08af3d9c483a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/1a32d67a-5eaf-4a34-8c3d-195fc584f4b4
MAFS.8.SP.1.4	Understand that patterns of association can also be seen in bivariate categorical data by displaying frequencies and relative frequencies in a two-way table. Construct and interpret a two-way table summarizing data on two categorical variables collected from the same subjects. Use relative frequencies calculated for rows or columns to describe possible association between the two variables.	Bivariate Data > Create and Analyze Scatter Plots > Discover > Investigate > Investigation 1: Scatter Plots Revealed > Gather Data https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/db36f7dd-762b-4c67-8d05-973ceadf30eb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/73f62ac8-5df2-41bd-bab6-318bbbe69cb6
MAFS.K12.MP.1.1	Make sense of problems and persevere in solving them.	Real Numbers > Investigate Square Roots and Cube Roots > Discover > Investigate > Investigation 3: Pinpoint those Numbers > Plot Square Roots, Plot Cube Roots https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/70aa0bcb-6c87-46e7-acbb-2919cb514e76/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/866384b6-839d-4041-9850-79b3d750aad7
MAFS.K12.MP.1.1	Make sense of problems and persevere in solving them.	Volume of Solid Figures > Investigate Volume Formulas > Discover > Investigate > Investigation 3: Volume of a Sphere https://app.discoveryeducation.com/learn/techbook/units/9b962216-ccf7-4e86-813b-90d8042fff94/concepts/c7f089f3-4afe-44cc-9230-b43aac565ab7/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/3b77469f-6dbe-45bb-afbd-c3e318533cf9

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MAFS.K12.MP.1.1	Make sense of problems and persevere in solving them.	Exponents > Understand Rules of Exponents > Discover > Investigate > Investigation 1: Exponent Cards > Equivalent Expressions 1 and 2 https://app.discoveryeducation.com/learn/techbook/units/014e6947-c24b-4c5d-bd55-60139d53bdb0/concepts/1031e796-a180-404b-80ba-b81e4ed0778a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/bafbbfe1-730c-487e-8968-85c9be284f9a
MAFS.K12.MP.2.1	Reason abstractly and quantitatively.	Linear Systems > Model Situations with Multiple Equations > Discover > Investigate > Investigation 3: Mixture Mysteries > Tales from the Tables https://app.discoveryeducation.com/learn/techbook/units/27a72144-8781-4826-9df8-1f2a1a469105/concepts/d701728c-7ce7-4640-a1a9-22d8ed8253ef/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/cc8210bb-9a3c-4b41-b053-a4bc5ad18a40
MAFS.K12.MP.2.1	Reason abstractly and quantitatively.	Introduction to Functions > Represent Proportional Relationships > Discover > Investigate > Investigation 1:Getting to School https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/bcea2e30-74a4-4500-84bc-6d4470261b4a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/4b030e18-6ebd-4c2d-bf06-4c9553985bb8
MAFS.K12.MP.2.1	Reason abstractly and quantitatively.	Bivariate Data > Create and Analyze Two-Way Tables > Apply > Apply 1: Are the Books and Movies That People Like Related? https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/c59fdefa-441a-4efb-9949-08af3d9c483a/tabs/6dc41756-43ff-4f63-bd11-3148dd938983/pages/2881f053-b1cf-4f6e-b8e1-0bef929865bf

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MAFS.K12.MP.3.1	Construct viable arguments and critique the reasoning of others.	Introduction to Functions > Represent Proportional Relationships > Discover > Investigate > Investigation 1:Getting to School https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/bcea2e30-74a4-4500-84bc-6d4470261b4a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/4b030e18-6ebd-4c2d-bf06-4c9553985bb8
MAFS.K12.MP.3.1	Construct viable arguments and critique the reasoning of others.	Bivariate Data > Create and Analyze Scatter Plots > Discover > Investigate > Investigation 1: Scatter Plots Revealed > Draw a Conclusion https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/db36f7dd-762b-4c67-8d05-973ceadf30eb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/73f62ac8-5df2-41bd-bab6-318bbbe69cb6
MAFS.K12.MP.3.1	Construct viable arguments and critique the reasoning of others.	Bivariate Data > Create and Analyze Scatter Plots > Discover > Investigate > Investigation 3: Analyzing Scatter Plots > Make a Conjecture https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/db36f7dd-762b-4c67-8d05-973ceadf30eb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/1670a120-382d-46d6-8a02-e945833ecad9
MAFS.K12.MP.4.1	Model with mathematics.	Real Numbers > Compare Rational and Irrational Numbers > Discover > Investigate > Investigation 3: Zooming In https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/615209e6-3972-4826-837c-923ee2eaf27b/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/c2d62833-0cd2-4f2a-8ca6-1763d760c2e7

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MAFS.K12.MP.4.1	Model with mathematics.	Intersecting Lines and Angles > Investigate Parallel and Intersecting Lines > Discover > Investigate > Investigation 3: Lines, Angles, and Triangles > Hands-On Activity: Chees Sandwiches https://app.discoveryeducation.com/learn/player/f047e603-eb7d-4993-9ba0-cd4851d2b952
MAFS.K12.MP.4.1	Model with mathematics.	The Pythagorean Theorem > Investigate the Pythagorean Theorem > Discover > Investigate > Investigation 2: Conduct an Experiment > Interactive: Squares on a Triangle https://app.discoveryeducation.com/learn/techbook/units/26800a8c-8a69-4adf-8fee-a22e9326c226/concepts/c93bbe5b-6081-487a-942b-13c141581da6/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/b191e128-3614-4ff7-b055-dcdefdbd71bd
MAFS.K12.MP.5.1	Use appropriate tools strategically.	Real Numbers > Investigate Square Roots and Cube Roots > Discover > Investigate > Investigation 1: Something Radical < use of Calculator https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/70aa0bcb-6c87-46e7-acbb-2919cb514e76/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/e2c691be-332d-41f5-a68f-4c0a0af4d14b
MAFS.K12.MP.5.1	Use appropriate tools strategically.	Real Numbers > Investigate Square Roots and Cube Roots > Discover > Investigate > Investigation 3: Pinpoint those Numbers > use of calculator https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/70aa0bcb-6c87-46e7-acbb-2919cb514e76/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/866384b6-839d-4041-9850-79b3d750aad7

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MAFS.K12.MP.5.1	Use appropriate tools strategically.	Intersecting Lines and Angles > Investigate Parallel and Intersecting Lines > Discover > Investigate > Investigation 1: Transversals and Parallel Lines > Hands-On Activity: Patty Paper

https://app.discoveryeducation.com/learn/player/767da0fa-fb68-41e3-8d23-5bd34e2d5343 |
| MAFS.K12.MP.6.1 | Attend to precision. | Introduction to Functions > Represent Proportional Relationships > Discover > Investigate > Investigation 2: Similar Triangles and Slope

https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/bcea2e30-74a4-4500-84bc-6d4470261b4a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/3d591f76-a989-4fcb-b3af-e959411dc3fa |
| MAFS.K12.MP.6.1 | Attend to precision. | Introduction to Functions > Represent Proportional Relationships > Discover > Investigate > Investigation 3: Rate of Change and Slope

https://app.discoveryeducation.com/learn/techbook/units/a96818f5-c226-49ec-bc78-a0594707de88/concepts/bcea2e30-74a4-4500-84bc-6d4470261b4a/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/2485c9d5-4ca4-4b5d-a812-58d1cf3635e4 |
| MAFS.K12.MP.6.1 | Attend to precision. | Real Numbers > Investigate Square Roots and Cube Roots > Discover > Investigate > Investigation 3: Pinpoint those Numbers

https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/70aa0bcb-6c87-46e7-acbb-2919cb514e76/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/866384b6-839d-4041-9850-79b3d750aad7 |

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MAFS.K12.MP.7.1	Look for and make use of structure.	Real Numbers > Investigate Square Roots and Cube Roots > Discover > Investigate > Investigation 1: Something Radical https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/70aa0bcb-6c87-46e7-acbb-2919cb514e76/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/e2c691be-332d-41f5-a68f-4c0a0af4d14b
MAFS.K12.MP.7.1	Look for and make use of structure.	Scientific Notation > Represent Large and Small Numbers > Discover > Investigate > Investigation 1: Compact It! > noted when students share how the scientific notation is related to the standard form https://app.discoveryeducation.com/learn/techbook/units/2e07479f-63e5-4f2b-a4a1-fc18d4f27875/concepts/8b97a8e7-079d-4b74-8eed-bc9e3e0d5394/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/548fdc38-cd7f-4fc3-90b1-b2d5ec1ecb0e
MAFS.K12.MP.7.1	Look for and make use of structure.	Bivariate Data > Create and Analyze Scatter Plots > Discover > Investigate > Investigation 3: Analyzing Scatter Plots > Make a Conjecture https://app.discoveryeducation.com/learn/techbook/units/72257bd7-7c55-4a5c-b2ff-8cd16600d5be/concepts/db36f7dd-762b-4c67-8d05-973ceadf30eb/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/1670a120-382d-46d6-8a02-e945833ecad9
MAFS.K12.MP.8.1	Look for and express regularity in repeated reasoning.	Real Numbers > Investigate Square Roots and Cube Roots > Discover > Investigate > Investigation 1: Something Radical https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/70aa0bcb-6c87-46e7-acbb-2919cb514e76/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/e2c691be-332d-41f5-a68f-4c0a0af4d14b

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MAFS.K12.MP.8.1	Look for and express regularity in repeated reasoning.	Exponents > Understand Negative Exponents > Discover > Investigate > Investigation 1: Zero Power > see first Teacher Note https://app.discoveryeducation.com/learn/techbook/units/014e6947-c24b-4c5d-bd55-60139d53bdb0/concepts/96477290-647b-4efa-bf23-890097cb5cf2/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/78cffff1-5fbb-431c-9a7d-8cf4e66c2f01
MAFS.K12.MP.8.1	Look for and express regularity in repeated reasoning.	Real Numbers > Convert between Decimals and Fractions > Discover > Investigate > Investigation 3: Shape Shifting Part 3: Identify the Criminal > see first Teacher Note https://app.discoveryeducation.com/learn/techbook/units/af0b44c4-f7f7-48ae-b9bb-241f35de095e/concepts/2939c6b8-238d-416a-86a4-3741c61b01ab/tabs/19155618-5d23-4aa5-a4e5-017f733dab9a/pages/87953cc6-994a-4d72-a09a-ffb4fb778dbc