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| **Unit 1: Rational and Irrational Numbers (10 days)** |
| **Est # Days** | **Focus Benchmark(s)** | **Lesson/Topic** | **GO MATH sections and other resources** |
| 3 | MA.8.NSO.1.1MA.8.AR.2.3 | Intro to Rational and Irrational NumbersInclude Square Roots and Cube Roots  | Go Math 1.1KHAN Academy[Introduction to rational and irrational numbers](https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-numbers-operations/cc-8th-numbers-operations/cc-8th-irrational-numbers/v/introduction-to-rational-and-irrational-numbers)[Recognizing irrational numbers](https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-numbers-operations/cc-8th-numbers-operations/cc-8th-irrational-numbers/v/recognizing-irrational-numbers) |
| 2 | MA.8.NSO.1.1MA.8.AR.2.3 | Locate Approximate Value of Irrational Numbers on A Number Line | Go Math 1.1CPALMS[Pin the Irrational "Tail" on the Number Line](https://www.cpalms.org/PreviewResourceLesson/Preview/51318)[Testing Imperfection](https://www.cpalms.org/PreviewResourceLesson/Preview/42033)[Approximating square roots](https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-numbers-operations/cc-8th-numbers-operations/cc-8th-approximating-irrational-numbers/v/approximating-square-roots-2)[Approximating irrational numbers](https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-numbers-operations/cc-8th-approximating-irrational-numbers) |
| 1 | MA.8.NSO.1.2 | Intervention and Enrichment |  |
| 3 | MA.8.NSO.1.2 | Plot, Order and Compare Rational and Irrational Numbers | GO MATH 1.2GO MATH 1.3 |
| 1 |  | **Unit 1 Assessment** |  |
| Vocabulary: Base, Cube Root, Equation, Exponent, Expression, Integer, Irrational numbers, Numerical Expressions, Rational Number, Square Root, Repeating Decimal, Terminating Decimal, Variable |

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| **Unit 2: Exponents (11 days)** |
| **Est # Days** | **Focus Benchmark(s)** | **Lesson/Topic** | **GO MATH sections and other resources** |
| 1 | MA.8.NSO.1.3MA.8.AR.1.1 | Product of Powers | GO MATH 2.1 |
| 1 | MA.8.NSO.1.3MA.8.AR.1.1 | Quotient of Powers | GO MATH 2.1[Exponent properties with quotients](https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-numbers-operations/cc-8th-exponent-properties/v/exponent-properties-involving-quotients)  |
| 1 | MA.8.NSO.1.3MA.8.AR.1.1 | Power to a Power | GO MATH 2.1[Exponent properties with parentheses](https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-numbers-operations/cc-8th-exponent-properties/v/products-and-exponents-raised-to-an-exponent-properties)  |
| 1 | MA.8.NSO.1.3MA.8.AR.1.1 | Negative Exponents | [Negative Exponents](https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-numbers-operations/cc-8th-pos-neg-exponents/v/negative-exponents) |
| 1 | MA.8.NSO.1.3MA.8.AR.1.1 | Intervention and Enrichment |  |
| 1 | MA.8.NSO.1.3MA.8.AR.1.1 | Power of a Product | MA.8.NSO.1.3MA.8.AR.1.1 |
| 1 | MA.8.NSO.1.3MA.8.AR.1.1 | Power of a Quotient | GO MATH 2.1 |
| 1 | MA.8.NSO.1.3MA.8.AR.1.1 | Zero ExponentIdentity Exponent | GO MATH 2.1 |
| 1 | MA.8.NSO.1.3MA.8.AR.1.1 | Intervention and Enrichment | [Operating with Exponents!](https://www.cpalms.org/PreviewResourceLesson/Preview/51107)CPALMs Activity |
|  |  | Unit 2 Review | GO MATH 2.2GO MATH 2.3 |
| 1 |  | **Unit 2 Assessment** |  |
| Vocabulary: Law of Exponents, Product of Powers, Quotient of Powers, Power of a power, Power of a Product, Power of a Quotient, Negative Exponent, Identity Exponent, Zero Exponent |
| **Unit 3: Scientific Notation (11 days)** |
| **Est # Days** | **Focus Benchmark(s)** | **Lesson/Topic** | **Pearson sections and other resources** |
| 1 | MA.8.NSO.1.4MA.8.NSO.1.6 | Concept of Scientific Notation- Be able to differentiate between large and smaller | GO MATH 2.2-2.4[Estimating Length Using Scientific Notation](https://www.cpalms.org/PreviewResourceUrl/Preview/32519)CPALMs Activity |
| 2 | MA.8.NSO.1.4MA.8.NSO.1.6 | Converting to and from and using to describe real life scenarios | GO MATH 2.2-2.4[Comparing Numbers](https://www.cpalms.org/Public/PreviewResourceAssessment/Preview/55434) CPALMS |
| 1 | MA.8.NSO.1.4MA.8.NSO.1.6 | Comparing Numbers with Scientific Notation  | GO MATH 2.2-2.4 |
| 1 |  | Intervention and Enrichment |  |
| 2 | MA.8.NSO.1.5MA.8.NSO.1.6 | Adding and Subtracting Scientific Notation | GO MATH 2.2-2.4[Adding & Subtracting](https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-numbers-operations/cc-8th-scientific-notation-compu/e/adding-and-subtracting-in-scientific-notation) |
| 2 | MA.8.NSO.1.5MA.8.NSO.1.6 | Multiplying and Dividing Scientific Notation | GO MATH 2.2-2.4[Multiplying & Dividing](https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-numbers-operations/cc-8th-scientific-notation-compu/v/multiplying-and-dividing-in-scientific-notation)  |
| 1 |  | Intervention and Enrichment |  |
| 1 |  | **Unit 3 Assessment** |  |
| Vocabulary: Standard Notation, Order of Magnitude, Scientific Notation, Exponential Notation, Monomial Base, Power, Exponent, Base |
| **Unit 4: Expressions (8 days)** |
| **Est # Days** | **Focus Benchmark(s)** | **Lesson/Topic** | **Pearson sections and other resources** |
| 1 |  | Review Combining Like Terms and Parts of Expression  | 7th Grade GO MATH 6.1 |
| 1 | MA.8.AR.1.2MA.8.AR.1.3MA.8.NSO.1.7 | Rewriting as a sum of an expression as a product of two expressionsInclude Real life and word problems | 7th Grade GO MATH 6.1 |
| 1 | MA.8.AR.1.2MA.8.AR.1.3MA.8.NSO.1.7 | : Rewriting as a sum of an expression as a product of two expressionsInclude Real life and word problems  | Khan Academy[Distributive Property with Variables](https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-variables-expressions/cc-7th-factoring/v/factoring-algebraic-expressions) |
| 1 |  | Intervention and Enrichment |  |
| 2 | MA.8.AR.1.2MA.8.AR.1.3MA.8.NSO.1.7 | Multiply Expressions Include Real life and word problems | [Gizmo Lesson](https://gizmos.explorelearning.com/index.cfm?method=cResource.dspView&ResourceID=106) |
| 1 | MA.8.AR.1.2MA.8.AR.1.3MA.8.NSO.1.7 | Real Life Word Problems |  |
| 1 |  | **Unit 4 Assessment** |  |
| Vocabulary: Algebraic Expression, Brackets, Coefficient, Cubed root, Exponent, Expression, Factor, Linear Expression, Monomial, Operations, Order of Operations, Polynomial, Product, Radical, Radicand, Rational Number, Square Root.  |
| **END OF 1st 9 weeks. If followed pacing above, this leaves for 5 flex days** |
| **Unit 5: Equations & Inequalities (10 days)** |
| **Est # Days** | **Focus Benchmark(s)** | **Lesson/Topic** | **Pearson sections and other resources** |
| 3 | MA.8.AR.2.1 | Solving Linear Equations |  |
| 2 | MA.8.AR.2.1 |  Solving EquationsDetermining Number of Solutions |  |
| 1 |  | Intervention and Enrichment |  |
| 1 | MA.8. AR.2.2 | Graphing Inequalities on a Number Line |  |
| 2 | MA.8. AR.2.2 | Solving Inequalities |  |
| 1 |  | **Unit 5 Assessment** |  |
| Vocabulary: Coefficient, Constant, Distributive Property, Equation, Inequality, Inverse Operation, Linear Equation, Reciprocal, Variable. |
| **Unit 6: Functions (7 days)** |
| **Est # Days** | **Focus Benchmark(s)** | **Lesson/Topic** | **Pearson sections and other resources** |
| 2 | MA.8.F.1.1MA.8.F.1.2MA.8.F.1.3 | Identifying and Representing FunctionsInclude Parts of Functions such as Domain and Range | GO MATH 6.1 Khan Academy[Recognizing Linear Functions](https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-linear-equations-functions/linear-nonlinear-functions-tut/v/recognizing-linear-functions) |
| 1 | MA.8.F.1.1MA.8.F.1.2MA.8.F.1.3 |  Linear vs. Nonlinear | GO MATH 6.2-6.4[Linear & Nonlinear Functions: Word Problem](https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-linear-equations-functions/linear-nonlinear-functions-tut/v/linear-and-nonlinear-functions-example-1)[Linear & Nonlinear Functions: Table](https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-linear-equations-functions/linear-nonlinear-functions-tut/v/linear-and-nonlinear-functions-example-3) |
| 1 |  | Intervention and Enrichment |  |
| 2 | MA.8.F.1.3 | Describing the Function |  |
| 1 |  | **Unit 6 Assessment** |  |
| Vocabulary: Constant, Continuous Function, Decreasing, Dependent Variable, Domain, Function, Increasing, Independent Variable, Input, Input-Output Table, Linear Function, Mapping Diagram, Output, Range, Qualitative Data.  |
| **Unit 7: Proportional Relationships (10 days)** |
| **General Days** | **Focus Benchmark(s)** | **Lesson/Topic** |  |
| 1 | MA.8.AR.3.1 | Determining if a linear relationship is proportional  | GO MATH 3.1, 4-4 |
| 2 | MA.8.AR.3.2 | Find the slope in tables, graphs, written description | GO MATH 3.1, 4-4MARS/Shell[Defining Lines, by Points, Slopes, and Equations](https://www.map.mathshell.org/lessons.php?collection=8&unit=8215)Khan Academy[Slope](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86:linear-equations-graphs/x2f8bb11595b61c86:slope/v/introduction-to-slope&sa=U&ved=2ahUKEwj6xPyo94r5AhXhEGIAHQCqCvkQFnoECAYQAQ&usg=AOvVaw22pSo_wlfozk2ZKnfWe1w1) |
| 1 |  | Intervention and Enrichment |  |
| 2 | MA.8.AR.3.3 | Slope-Intercept Form Equation | GO MATH 4.1-4.4Khan Academy[Slope Intercept Form](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86:forms-of-linear-equations/x2f8bb11595b61c86:intro-to-slope-intercept-form/v/slope-intercept-form&sa=U&ved=2ahUKEwiEqLr594r5AhU7FlkFHR1iA4kQFnoECAMQAQ&usg=AOvVaw3X_1Qq4QkM3Rd8qeaZYtz3) |
| 2 | MA.8.AR.3.4 | Graphing Lines | GO MATH 4.1-4.4Kahn Academy[Graphing](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86:forms-of-linear-equations/x2f8bb11595b61c86:graphing-slope-intercept-equations/v/graphing-a-line-in-slope-intercept-form&sa=U&ved=2ahUKEwiEqLr594r5AhU7FlkFHR1iA4kQFnoECAYQAQ&usg=AOvVaw38zjKz9nt1I3rq3Doy8AjK) |
|  | MA.8.AR.3.5MA.8.AR.4.1 | Determine and interpreting the slope and y-intercept in real life | GO MATH 4.1-4.4 |
| 1 |  | **Unit 7 Assessment** |  |
| Vocabulary: Constant of Proportionality, Constant of variation, Constant rate of change, direct variation, linear relationship, point-slope form, rise, run, slope, slope-intercept form, x-intercept, y-intercept |
| **Unit 8: Systems (8 days)** |
| **Days** | **Focus Benchmark(s)** | **Lesson/Topic** | **Pearson sections and other resources** |
| 1 | MA.8.AR.4.1 | Check Ordered Pairs to see if it’s a solution | GO MATH 8.1[Ordered Pairs and Systems](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86:systems-of-equations/x2f8bb11595b61c86:introduction-to-systems-of-equations/v/testing-a-solution-for-a-system-of-equations&sa=U&ved=2ahUKEwjI197Y_4r5AhUYsoQIHQ7TDVcQFnoECAAQAQ&usg=AOvVaw29wUSg_JrWxOJRRHAodaMh) |
| 1 | MA.8.AR.4.1 | Coordinate Plane Review | GO MATH 8.1[Coordinate Plane](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-coordinate-plane/a/coordinate-plane-parts-review&sa=U&ved=2ahUKEwiV6v72_4r5AhXnkIQIHd_0AYkQFnoECAYQAQ&usg=AOvVaw3vEDjzlaXDFbNl8dV-Aq9Y) |
| 2 | MA.8.AR.4.2MA.8.AR.4.3 | Graphing Systems | GO MATH 8.1[Graphing Systems](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-systems-topic/cc-8th-systems-graphically/v/graphings-systems-of-equations&sa=U&ved=2ahUKEwixga6rgIv5AhXVbTABHUnKB78QFnoECAAQAQ&usg=AOvVaw1tJ0NUBSTrqib7-4yUGaCJ) |
| 1 |  | Intervention and Enrichment |  |
| 2 | MA.8.AR.4.2MA.8.AR.4.3 | Graphing and Identifying Types of Solutions viewing the Graphs | GO MATH 8.1[Types of Solutions](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86:systems-of-equations/x2f8bb11595b61c86:number-of-solutions-to-systems-of-equations/v/practice-thinking-about-number-of-solutions-to-systems&sa=U&ved=2ahUKEwjZj4yRgIv5AhVbgIQIHdHzDPYQFnoECAIQAQ&usg=AOvVaw1iR_dFczIkBRkdbz9gkzjv) |
| 1 |  | **Unit 8 Assessment** |  |
| Vocabulary: consistent system, Dependent system, Elimination Method, Inconsistent System, Independent System, Linear equation, Point of intersection, Solution to a system, Substitution method.  |
| **END OF 2nd 9 weeks. If followed pacing above, this leaves for 5 flex days** |
| **Unit 9: Pythagorean Theorem and Triangles (13 days)** |
| **Day** | **Focus Benchmark(s)** | **Lesson/Topic** | **Pearson sections and other resources** |
| 3 | MA.8.GR.1.1 | Pythagorean theorem to solve for unknown side lengths | GO MATH 12.1-12.3Khan Academy[Pythagorean Theorem](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-geometry/cc-8th-pythagorean-theorem/v/the-pythagorean-theorem&sa=U&ved=2ahUKEwi26KbIgIv5AhWUezABHVrrDxoQFnoECAQQAQ&usg=AOvVaw3XUjI9B0kypjCFo3SsVwyx) |
| 1 | MA.8.GR.1.3 | Converse of Pythagorean Theorem | GO MATH 12.1-12.3 |
| 1 |  | Intervention and Enrichment |  |
| 2 | MA.8.GR.1.2MA.8.GR.2.4 | Triangle Inequality Theorem | GO MATH 12.1-12.3Khan Academy[Triangle Inequality Theorem](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-constructing-geometric-shapes/v/triangle-inqequality-theorem&sa=U&ved=2ahUKEwiXgvSMgYv5AhU1mIQIHRetCiQQFnoECAUQAQ&usg=AOvVaw0ZPclsFpOKPDt7bEweAvOV) |
| 2 | MA.8.GR.1.2MA.8.GR.2.4 | Proportional Relationships between Similar Triangles | GO MATH 11.3 |
| 1 |  | Intervention and Enrichment |  |
| 2 | MA.8.GR.1.3MA.8.GR.1.4 | Distance Formula  | GO MATH 12.1-12.3Khan Academy[Distance Formula](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/geometry/hs-geo-analytic-geometry/hs-geo-distance-and-midpoints/v/distance-formula&sa=U&ved=2ahUKEwj7_862gYv5AhWHEGIAHWY4B1MQFnoECAIQAQ&usg=AOvVaw2vkj_7mabXlez1RqME1-00) |
| 1 |  | **Unit 9 Assessment** |  |
| Vocabulary: Congruent, Decompose, Pythagorean Theorem, Converse, Triangle Inequality Theorem, Leg, Hypotenuse, Right Angle, Adjacent Side, Opposite Side, Proportion, Scale Factor, Similar |
| **Unit 10: Angle Relationships (12 days)** |
| **General Days** | **Focus Benchmark(s)** | **Lesson/Topic** | **Pearson sections and other resources** |
| 1 | MA.8.GR.1.4 | Supplementary and Complementary Angles Relationship | GO MATH 11.1-11.2Khan Academy[Complementary and Supplementary Angles](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-angles/v/complementary-and-supplementary-angles&sa=U&ved=2ahUKEwjl05TQgYv5AhX1QjABHSEuAukQFnoECAUQAQ&usg=AOvVaw0uwlphtFp9gJlhV5T_BGZD) |
| 1 | MA.8.GR.1.5 | Vertical and Adjacent Angles Relationships  | GO MATH 11.1-11.2Khan Academy- [Vertical Angles](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-angles/v/angles-at-the-intersection-of-two-lines&sa=U&ved=2ahUKEwi7o8mPgov5AhWFQzABHSaZCyQQFnoECAUQAg&usg=AOvVaw0r19QwtTS_dqio4QlTBuv8) |
| 1 | MA.8.GR.1.4MA.8.GR.1.5 | Mixed Angle Relationship Practice/Review | GO MATH 11.1-11.2 |
| 1 |  | Intervention and Enrichment |  |
| 2 | MA.8.GR.1.5 | Equations within Angle Relationships | GO MATH 11.1-11.2Khan Academy - [Equation Practice](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-unknown-angle-algebra/v/using-algebra-to-find-the-measures-of-vertical-angles&sa=U&ved=2ahUKEwjX0_-1gov5AhVsM1kFHUlJBEEQFnoECAUQAQ&usg=AOvVaw2llF-ZeCSHcu__EGfcuDYM) |
| 2 | MA.8.GR.1.6  | Interior/Exterior Angles of Triangles | GO MATH 11.1-11.3Khan Academy[Triangle Angles](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/geometry/hs-geo-congruence/hs-geo-congruence-theorems/v/proof-sum-of-measures-of-angles-in-a-triangle-are-180&sa=U&ved=2ahUKEwj4uZvhgov5AhUWbTABHbFsD1EQFnoECAIQAQ&usg=AOvVaw2YUJ9bRfdKxgDG9gdHWgeH)[Exterior of Triangles](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/geometry/hs-geo-congruence/hs-geo-congruence-theorems/v/triangle-angle-example-1&sa=U&ved=2ahUKEwj4uZvhgov5AhUWbTABHbFsD1EQFnoECAAQAg&usg=AOvVaw36NbvCDJ-xHEJevuBeZ8gr) |
| 1 |  | Intervention and Enrichment |  |
| 2 | MA.8.GR.2.1MA.8.GR.2.3 | Interior Angles of Polygons | GO MATH 11.1-11.3 |
| 1 |  | **Unit 10 Assessment** |  |
| Vocabulary: Adjacent Angles, Alternate exterior angles, Alternate Interior Angles, Complementary Angles, Corresponding Angles, Exterior Angles, Interior Angles, Parallel Lines, Exterior Angles, Same-Side Interior Angles, Supplementary Angles, Transversal Lines, Vertical Angles  |

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| **Unit 11: Transformations (11 days)** |
| **General Days** | **Focus Benchmark(s)** | **Lesson/Topic** | **Pearson sections and other resources** |
| 2 | MA.8.GR.2.1MA.8.GR.2.3 | Translations | GO MATH 9.1Khan Academy[Translations 1](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/geometry/hs-geo-transformations/hs-geo-translations/v/translating-points&sa=U&ved=2ahUKEwjF2ar-k4v5AhWDTTABHX5lCWUQFnoECAgQAQ&usg=AOvVaw24vgj3B25tStvZaUM2MLpL)[Translations 2](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/geometry/hs-geo-transformations/hs-geo-translations/v/drawing-image-of-translation&sa=U&ved=2ahUKEwjF2ar-k4v5AhWDTTABHX5lCWUQFnoECAEQAQ&usg=AOvVaw2_xtDFhU-r2UfGgZKxN1ys) |
| 2 | MA.8.GR.2.1MA.8.GR.2.3 | Reflections | GO MATH 9.2Khan Academy[Reflections 1](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/geometry/hs-geo-transformations/hs-geo-reflections/v/determining-reflections&sa=U&ved=2ahUKEwj30eqrlIv5AhVPM1kFHfCuCHEQFnoECAYQAg&usg=AOvVaw10jJ9ozYXJiJ-68L_gYnl8)[Reflections 2](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/geometry/hs-geo-transformations/hs-geo-reflections/v/reflecting-shapes&sa=U&ved=2ahUKEwj30eqrlIv5AhVPM1kFHfCuCHEQFnoECAkQAg&usg=AOvVaw3qiEUPHOYu7rA0l2fpg4cb) |
| 1 |  | Intervention and Enrichment |  |
| 2 | MA.8.GR.2.2MA.8.GR.2.3 | Rotations | GO MATH 9.3Khan Academy[Rotations](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/geometry/hs-geo-transformations/hs-geo-rotations/v/points-after-rotation&sa=U&ved=2ahUKEwiFyrnilYv5AhU-D1kFHV9NAM4QFnoECAMQAQ&usg=AOvVaw3DzGryNBdW8NN3TyxWldEH) |
| 2 | MA.8.GR.2.4 | Dilations | GO MATH 10.1, 10.2Khan Academy[Dilations](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/geometry/hs-geo-transformations/hs-geo-dilations/v/dilation-scale-factor&sa=U&ved=2ahUKEwiCzJ2Slov5AhWWRDABHRAQBPkQFnoECAEQAQ&usg=AOvVaw0gW-k2GLwCfxT1bbDjCFm3) |
| 1 |  | Unit Review |  |
| 1 |  | **Unit 11 Assessment** |  |
| Vocabulary: axis, congruent, coordinate plane, coordinate point, dilation, line of reflection, origin, preimage, prime notation, proportion, reflection, rotation, scale factor, transformation, translation.  |
| **END OF 3rd 9 weeks. If followed pacing above, this leaves for 6 flex days** |
| **Unit 12: Scatter Plots and Line Graphs (16 days)** |
| **Days** | **Focus Benchmark(s)** | **Lesson/Topic** | **Pearson sections and other resources** |
| 2 | MA.8.DP.1.1 | Independent and Dependent Variables and constructing a scatter plots | Go Math 14.1 and 14.2Khan Academy[Constructing Scatter Plots](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-data/cc-8th-scatter-plots/v/constructing-scatter-plot&sa=U&ved=2ahUKEwi1uJXQlov5AhUdSDABHYcIDRIQFnoECAUQAg&usg=AOvVaw0Orv-rOGUBGPWyAxZxJe05) |
| 1 | MA.8.DP.1.2 | Bivariate Data within Scatter Plots Intro | Go Math 14.1 and 14.2Khan Academy[Describing Bivariate Data](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/ap-statistics/bivariate-data-ap/scatterplots-correlation/v/bivariate-relationship-linearity-strength-and-direction&sa=U&ved=2ahUKEwj3v5zvlov5AhWYUjABHUCwD-YQFnoECAMQAg&usg=AOvVaw1TSHaVU2YPGP-nMTVez57X) |
| 1 |  | Intervention and Enrichment |  |
| 1 |  | Types of Association within Scatter Plots | Go Math 14.1 and 14.2 |
| 2 | MA.8.DP.1.2 | Describe Patterns within Scatter Plots | Go Math 14.1 and 14.2 |
| 1 |  | Intervention and Enrichment |  |
| 2 | MA.8.DP.1.3 | Line of Best Fit within Scatter Plot | Go Math 14.1 and 14.2Khan Academy[Line of Best Fit](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-data/cc-8th-line-of-best-fit/v/estimating-the-line-of-best-fit-exercise&sa=U&ved=2ahUKEwiGou6Ul4v5AhXzMVkFHS4sC-EQFnoECAAQAQ&usg=AOvVaw1giIJ9R7O_8vBOVgmrhbO8) |
| 2 | MA.8.DP.1.1 | Constructing Line Graphs | Go Math 14.1 and 14.2Khan Academy[Line Graphs](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/cc-2nd-grade-math/x3184e0ec:data/cc-2nd-line-plots/v/introduction-to-line-plots&sa=U&ved=2ahUKEwjqnv2sl4v5AhXNSTABHZh-BykQFnoECAAQAg&usg=AOvVaw2pn3QucvuZfbLah7eKnveI) |
| 2 | MA.8.DP.2.1 | Bivariate Data with Line Graphs | Go Math 14.1 and 14.2 |
| 1 |  | Intervention and Enrichment | Virtual Nerd Video:[Making Lists](https://virtualnerd.com/common-core/grade-7/7_SP-statistics-probability/C/8/8b/problem-organized-list-example) |
| 1 |  | **Unit 12 Assessment** |  |
| Vocabulary: Bivariate data, clustering, correlation, data, dependent variable, independent variable, line graph, line of best fit, linear, negative association, non-linear, outlier, positive association, scatter plot, strong association, weak association.  |
| **Unit 13: Probability (15 days)** |
| **Days** | **Focus Benchmark(s)** | **Lesson/Topic** | **Pearson sections and other resources** |
| 3 | MA.8.DP.2.1 | Sample Space of Repeated Experiment making lists and tables | GO MATH 12.1Khan Academy[Sample Spaces for Compound Events](https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-probability-statistics/cc-7th-compound-events/v/compound-sample-spaces) |
| 2 | MA.8.DP.2.1 | Sample Space of Repeated Experiment using tree diagrams | GO MATH 12.1Khan Academy[Count Outcomes using Tree Diagrams](https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-probability-statistics/cc-7th-compound-events/v/tree-diagram-to-count-outcomes) |
| 1 |  | Intervention and Enrichment |  |
| 2 | MA.8.DP.2.2 | Theoretical probability of an event | GO MATH 13.1 |
| 2 | MA.8.DP.2.3 | Theoretical probability of an event related to repeated events | Khan Academy[Theoretical Probability](https://www.google.com/url?client=internal-element-cse&cx=004984196166817161901:gt3nscsxv5o&q=https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-probability-statistics/cc-7th-basic-prob/v/basic-probability&sa=U&ved=2ahUKEwjN46-4mIv5AhWqfTABHUeWD9kQFnoECAEQAQ&usg=AOvVaw3KmiSLt-DmbkwaxsEshzu7) |
| 1 |  | Intervention and Enrichment |  |
| 2 | MA.8.DP.2.3 | Real life word problems | GO MATH 13.2 |
| 1 |  | Intervention and Enrichment |  |
| 1 |  | **Unit 13 Assessment** |  |
| Vocabulary: Compound event, experimental probability, fair coin, fair die, repeated experiment, sample space, theoretical probability, tree diagram.  |