AOP - 4th Grade - Horizons Math - Quarter 3 Map

Week	Unit/Lesson/ Modification	Submit	Objectives
1	Lessons 90-94 Combine lessons to get all lessons into a 4 day work week. Skip review problems when the student shows competency.	Chapter 9 test	**Students will be able to:** 1. Define, recognize in pictures, write in symbols and verbalize the following geometric terms: point, line segment, ray, intersecting lines, parallel lines and perpendicular lines. 2. Solve story problems using the reasoning skill of working backwards. 3. Add two-digit numbers with carrying. 4. Given a time in one time zone, the student will be able to determine the time in other time zones in the United States. 5. Solve story problems involving elements of time: years in a century; years in a decade, days, months and weeks in a year; days in a week. 6. Write numbers in standard form given numbers in expanded forms. 7. Define rays and vertex. 8. Label an angle in three different ways and will be able to determine if an angle is right, obtuse, or acute. 9. Find pairs of lines that are perpendicular parallel or intersecting. 10. Observe and name the following figures: point, line, line segment, and ray. 11. Solve story problems using the reasoning skill of working backwards. 12. Given a time in one time zone, the student will be able to determine the time in the other given time zones in the United States. 13. Find the product of a three-digit multiplicand and two digit multiplier. 14. Find the sum of two three-digit numbers that involve carrying. 15. Define and recognize the following: polygons, regular polygons, vertices, quadrilateral, triangle, pentagon, hexagon, and octagon. 16. Label an angle in three different ways and determine if an angle is right, obtuse, or acute. 17. Match the following geometric terms with their picture: point, line, line segment, and ray, intersecting lines, parallel lines and perpendicular lines. 18. Find the sum of four-digit numbers. 19. Recognize and draw congruent and similar figures.

			20. Draw and label the following geometric terms: point, line, line segment, ray, intersecting parallel lines. 21. Find the difference of two three-digit numbers that require borrowing. 22. Find the quotient given a one-digit divisor and a two digit dividend. 23. Recognize the following polygons: quadrilateral, triangel, pentagon, hexagon, and octagon. 24. Find lines of symmetry. 25. Recognize the following polygons: decagon, quadrilateral triangle, pentagon, hexagon, and octagon. 26. Label an angle in three different ways and will be able to determine if an angle is right, obtuse, or acute. 27. Recognize and draw congruent and similar figures. 28. Find the quotient given a one-digit divisor and a two-digit dividend. 29. Define the following wors: a/m/, p.m., 1st century, 21st century, 20th century, midnight, decade, millennium, and century. 30. Know and apply the following information: there are 7 days in a week, 24 hours in a day and 60 minutes in an hour. 31. Draw and label the following quadrilaterals: rhombus, rectangle, trapezoid, and parallelogram.
2	Lessons 95-99 Combine lessons to get all lessons into a 4 day work week. Skip review problems when the student shows competency.	Submit lesson 95	**Students will be able to….** 1. Identify the radius, diameter and name of a circle. 2. Given a diameter, the student will determine the radius. Given a radius, the student will be able to determine the diameter. 3. Determine if certain letters of the alphabet are symmetrical. 4. Draw similar figures to ones given. 5. Match the following terms with the pictures: acute, obtuse, right, perpendicular, parallel, and intersecting 6. Draw the following figures: octagon, pentagon, triangle, hexagon, and quadrilateral. 7. Find the quotient given a one-digit divisor and a two-digit dividend. 8. Able to define the following words: a.m., p.m., b.c., decade, century, and millennium. 9. Recognize five types of space figures: cones, cylinders, pyramids, spheres, and prisms. 10. Able to give the number of edges, faces, and vertices of a space figure. 11. Identify the radius, diameter, and name of a circle. 12. Given a diameter, the student will determine the radius. Given a radius, the student will be able to determine the diameter. 13. Recognize the following figures: triangle, rectangle, oval, hexagon, octagon, decagon, diamond, rhombus, square, and parallelogram. 14. Draw similar and congruent figures. 15. Round two-digit numbers to the nearest 10. 16. Determine if a given number is divisible by 2, 3, 5, or 10. 17. Given the dimension of a shape, the student will be able to find the perimeter.

			18. Give the number of edges, faces, and vertices of a space figure. 19. Given a diameter, the student will determine the radius. Given a radius, the student will be able to determine the diameter. 20. Given half of a shape, the student will be able to draw the other half. 21. Round numbers to the nearest 100. 22. Recognize prime numbers and find their way through a maze. 23. Solve division equations. 24. Find the area of a given figure. 25. Find the perimeter of a given figure. 26. Draw each type of space figure: cone, cylinder, pyramid, sphere, and prism. 27. Identify the radius, diameter, and name of a circle. 28. Draw and label a point and parallel line. 29. Round numbers to the nearest 100. 30. Solve addition equations. 31. Find the quotient given a two-digit divisor and three-digit dividend. 32. Find the volume of a given figure. 33. Use the correct symbol for cubic units. 34. Find the area of a given figure. 35. Find the perimeter of a given figure. 36. Find the missing length, width, perimeter, and/or area of several polygons. 37. Give the number of edges, faces, and vertices of a space figure. 38. Round numbers to the nearest 100. 39. Solve addition equations. 40. Find the quotient given a two-digit divisor and three-digit dividend. 41. Average numbers.
3	Lessons 100-104 Combine lessons to get all lessons into a 4 day work week. Skip review problems when the student shows competency.		**Students will be able to….** 1. Given parts of an object evenly divided, the student will be able to find a fractional representation of those parts. 2. Define: numerator, denominator, and fraction. 3. Find the volume of a space figure given the height, width, and length. 4. Find the area and perimeter of an object given the dimensions of the sides. 5. Recognize place value to the hundred millions. 6. Round numbers to the nearest hundred. 7. Find the product given three-digit multiplicands and two-digit multipliers. 8. Given a fraction in numbers, the student will be able to write and say its name. Given a fractional name the student will be able to write the fraction in numbers. 9. Given parts of an object evenly divided, the student will be able to find a fractional representation of those parts. 10. Find the volume of a space figure given the height, width, and length.

			11. Recognize place value to the hundred billions and be able to complete a crossword puzzle with the information. 12. Round numbers to the nearest thousand. 13. Find the product given three-digit multiplicands and two-digit multipliers. 14. Given a set of objects within a group, the student will be able to represent it in fractional terms. 15. Solve a multiplication equation. 16. Write numbers in expanded form. 17. Given a fraction, the students ill be able to find an equivalent fraction. 18. Change a number from the following forms: expanded to standard, word to numerical. The student will solve a logic puzzle with those numbers. 19. Find the quotient of a problem with a one-digit divisor and two-digit dividend. 20. Given two numbers, the student will be able to find the common factors and the greatest common factor. 21. Given a fraction, the student will be able to find an equivalent fraction. 22. Given a set of objects within a group, the student will be able to represent it in fractional terms. 23. Match word fractions to number fractions. 24. Order numbers from smallest to largest. 25. Find the difference of two four-digit numbers with zeros in the minuend. 26. Find the quotient of a problem with a one-digit divisor and two digit dividend.
4	Lesson 105-109 Combine lessons to get all lessons into a 4 day work week. Skip review problems when the student shows competency.		**Students will be able to….** 1. Write fractions in lowest terms. 2. Given two numbers, the student will be able to find the common factors and the greatest common factor. 3. Given two equivalent fractions with a missing numerator or denominator, the student will be able to determine the missing number. 4. Name a point on a number line with the appropriate fraction. 5. Order numbers from greatest to least. 6. Find the quotient of a problem with a one-digit divisor and two-digit dividend. 7. Compare fractions with different denominators. 8. Write fractions in lowest terms. 9. Given two numbers, the student will be able to find the common factors and the greatest common factor. 10. Given a fraction, the student will be able to find equivalent fractions out of a given set. 11. Find prime numbers out of a given set. 12. Determine if a number is divisible by 2,, 5, 10, or 3. 13. Find the difference of a three-digit minuend and three-digit subtrahend. 14. Given whole objects and parts of the whole, the student will be able to name mixed fractions. 15. Change a mixed number into an improper fraction. 16. Compare fractions with different denominators.

			17. Given a set of numbers, the student will be able to determine which numbers are in lowest terms. 18. Given two equivalent fractions with a missing numerator or denominator, the student will be able to determine the missing number. 19. Solve addition equations. 20. Solve division equations. 21. Be able to identify the following figures: square, pentagon, hexagon, rectangle, triangle, octagon, decagon, trapezoid, and rhombus. 22. Change an improper fraction into a mixed number. 23. Change a mixed number into an improper fraction. 24. Given a mixed fraction, the student will be able to draw a pictorial representation. The student will be able to change the mixed fraction into an improper fraction. 25. Compare fractions with different denominators. 26. Write fractions in lowest terms. 27. Round numbers to the nearest hundred. 28. Solve addition equations. 29. Find the average of three or four numbers. 30. Label drawings with one of the following definitions: rectangular pyramid, triangular prism, cone, sphere, cylinder, and hexagonal pyramid. 31. Solve story problems by applying the strategy, make it simpler. 32. Change an improper fraction into a mixed number. 33. Change a mixed number into an improper fraction. 34. Draw lines of symmetry on a given object. 35. Draw a figure that has no lines of symmetry and one that has two lines of symmetry. 36. Find the quotient of a problem with a four-digit dividend and two-digit divisor.
5	Lessons 110-114 Combine lessons to get all lessons into a 4 day work week. Skip review problems when the student shows competency.		**Students will be able to…..** 1. Add fractions with common denominators. 2. Use the problem solving strategy, solve a simpler problem, to find the answer to a story problem. 3. Change an improper fraction to a mixed number. 4. Change the mixed number to an improper fraction. 5. Solve a division problem with a two-digit divisor and a four-digit dividend. 6. Given a figure, the student will be able to complete the other half to form a symmetrical figure. 7. Subtract fraction with common denominators. 8. Add fraction with common denominators. 9. Solve story problems by computing elapsed time 10. Find equations that are equivalent. 11. Find the sum of two-digit numbers. 12. Find the product of a three-digit multiplicand and a two-digit multiplier. 13. Given a close figure, the student will be able to draw a similar and congruent figure. 14. Add and subtract fractions with common denominators.

			15. Find the product of a three-digit multiplicand and a three-digit multiplier. 16. Solve a division problem with a two-digit divisor and a three-digit dividend. 17. Draw a closed figure given grid lines. The student will be able to draw similar and congruent figure. 18. With the aid of fraction strips or bars, the students will be able to add fractions with unlike denominators. 19. Subtract two, two-digit numbers in a column. 20. Find hidden division problems in a magic square. The problems will have two-digit dividends and one-digit divisors with one-digit quotients with remainders. 21. Name a point, ray, line, landline segment. 22. With the aid of fraction strips or bars, the students will be able to subtract fractions with unlike denominators. 23. Round numbers to the nearest 10. 24. Find the difference of two, four-digit numbers that require borrowing. 25. Solve a multiplication equation. 26. Draw and label the following: point, line, line segment and ray.
6	Lessons 115-119 Combine lessons to get all lessons into a 4 day work week. Skip review problems when the student shows competency.		**Students will be able to…..** 1. Given story problems with fractions, the students ill be able to add and subtract fractions with unlike denominators. 2. With the aid of fraction strips or bars, the student will be able to subtract fractions with unlike denominators. 3. Round numbers to the nearest 10. 4. Divide a one-digit divisor by a two-digit dividend. 5. Find the prime numbers between 1 and 50. 6. The student will be able to define the following: point, line, ray, parallel lines, intersecting lines, and perpendicular lines. 7. Find the sum of mixed numbers with common denominators. 8. Gien story problems with fractions, the student will be able to add and subtract fractions with unlike denominators. 9. Find fractions in a magic square with the sum of one. 10. Find the sum and difference of fractions with common denominators. 11. Determine if a number is divisible by 2, 3, 5, and or 10. 12. Given sentences that specify time, the student will be able to determine if the time is a.m. or p.m. 13. Draw intersecting, parallel and perpendicular lines. 14. Find the difference of mixed numbers with common denominators. 15. Find the sum of mixed numbers with common denominators. 16. Answer questions regarding the states in the United States in fractional form. 17. Find the sum and difference of fractions with common denominators. 18. Draw and label a right, acute, and obtuse angle. 19. Solve an equation involving two operations.

			20. Find the average of three numbers. 21. Find the sum of mixed numbers with common denominators. The student will be able to change the sum from an improper fraction to a mixed number. 22. Complete a fraction pyramid. 23. Find the difference of mixed fractions. 24. Solve an equation where operations are required on both sides of the equal sign. 25. Given the price of an item and the amount paid, the student will be able to state the fewest coins and bills possible to make change. 26. Given years ranging from 7AD to 2010 AD the students will be able to determine the century. 27. Define a right, obtuse and acute angle. 28. Use the problem solving strategy, logical reasoning, to find the answer to a story problem. 29. Given the price of an item and the amount paid, the student will be able to sate the fewest coins and bills possible to make change. 30. Match time equivalents. 31. Define the name of a circle, radii, and diameter. Given the radius, the student will be able to determine the diameter. 32. Given equivalent fractions with a missing numerator, the student will be able to determine the numerator. 33. Given two fractions the student will be able to use the symbols <,>, or = to determine their relationship.
7	Lesson 120-124 Combine lessons to get all lessons into a 4 day work week. Skip review problems when the student shows competency.	Submit test 12	**Students will be able to…..** 1. Identify place value through the tenths' place. 2. Convert fractions to decimals and decimals to fractions. 3. Add and subtract mixed numbers. 4. Sole division problems containing two-digit dividend yielding a one-digit quotient. 5. Identify time equivalents. 6. Identify equivalent fractions. 7. Draw and label the geometric parts of a circle. 8. Identify place value through the hundredths' place and write a number in written form when given in standard decimal form. 9. Convert fractions to decimals and decimals to fractions. 10. Add and subtract mixed numbers. 11. Complete three-digit subtraction problems and use the regrouping process if necessary. 12. Solve division problems which contain two-digit divisors yielding a one-digit quotient. 13. Identify and match given dates with the century in which they belong. 14. Calculate the perimeter and area of a given figure. 15. Compare decimals. 16. Convert fractions to decimals and decimals to fractions. 17. Add and subtract mixed numbers.

			18. Solve subtraction problems which require regrouping across zeros. 19. Solve division problems which contain two-digit divisors and wild two-digit quotients. 20. Calculate the perimeter and area of a given figure. 21. Order decimals. 22. Compare decimals 23. Identify place value through the hundredths; and write a given decimal number in standard form. 24. Convert fractions to decimals and decimals to fractions. 25. Round given numbers to the nearest tens'. 26. Complete subtraction equations by solving for the value of n. 27. Solve division problems which contain a two-digit divisor and yield a two-digit quotient. 28. Calculate the volume of a given figure. 29. Round decimals to the nearest tenth and to the nearest whole number. 30. Able to compare and order decimals. 31. Write a given standard number, decimals in written form. 32. Round given numbers to the nearest ten. 33. Complete subtraction equations by solving for a value of n. 34. Solve division problems containing two-digit divisors and yielding two-digit quotients. 35. Calculate the volume of a given figure.
8	Lessons 125-129 Combine lessons to get all lessons into a 4 day work week. Skip review problems when the student shows competency.		**Students will be able to….** 1. Add decimals. 2. Estimate decimals by rounding to the nearest tenth or whole number. 3. Compare and order decimals. 4. Round given numbers to the nearest hundred. 5. Find the average of a given set of numbers. 6. Identify different time zones and calculate the time differences between specified time zones. 7. Add and subtract fractions with like denominators. 8. Subtract decimals and use the regrouping process if necessary. 9. Add decimals and use the regrouping process if necessary. 10. Estimate decimal by rounding to the nearest tenth or whole number. 11. Compare and order decimals. 12. Round given numbers to the nearest hundred. 13. Complete addition equations by solving for a value of n. 14. Identify time zones and calculate the time differences in specified time zones. 15. Estimate addition and subtraction problems containing decimals by rounding each number to the nearest whole number and then performing the required operation, using the regrouping process if necessary. 16. Estimate decimals by rounding to the nearest tenths or whole number. 17. Round given numbers to the nearest thousand. 18. Complete addition equations by solving for the value of n.

			19. Identify and match time definitions. 20. Convert fractions to decimals. 21. Estimate with money by rounding to the nearest dollar and tenths' place. 22. Add and subtract decimals using the regrouping process if necessary. 23. Round given numbers to the nearest thousand. 24. Define specific properties and mathematical terms, as well as identify place value from the hundred billions' through the hundredths' place. 25. Tell time using a clock face and identify it as a.m. or p.m. 26. Convert decimals to fractions. 27. Complete a given mathematical problem using the problem solving strategy of drawing a picture. 28. Count back change from a given purchase or transaction. 29. Tell time using a clock face and identify it as a.m. or p.m. 30. Match specific geometric terms with their appropriate definition. 31. Identify equivalent fractions. 32. Reduce fractions. 33. Compare and order fractions. 34. Add and subtract fractions with unlike denominators.
9	Lessons 130-134 Combine lessons to get all lessons into a 4 day work week. Skip review problems when the student shows competency.		**Students will be able to…** 1. Identify , measure, read, write, and label given items using Customary measurement of inches, half inches, and quarter inches. 2. Use the regrouping process as needed to complete addition and subtraction problems which require the estimation of money to the nearest dollar. 3. Add and subtract decimal numbers. 4. Complete three-digit subtraction problems, using the regrouping process as needed. 5. Complete division problems which contain two-digit divisors and yield a one-digit quotient. 6. Calculate and count the change due from a given purchase or transaction. 7. Write two equivalent fractions when given a fraction. 8. Identify , measure, read, write, and label given items using Customary measurement of feet, yards, and miles. 9. Complete subtraction problems which require use of the regrouping process cross zeros. 10. Complete division problems which contain two-digit divisors and yield a one-digit quotient. 11. Identify in which century a given event occurred. 12. Reduce, or rename, a given fraction to its lowest terms. 13. ounces, pounds, and tons. 14. Identify, measure, read, write, and label given items using the customary measurement units of feet, yards, and miles. 15. Use the regrouping process as needed to complete addition and subtraction problems which require the estimation of money to the nearest dollar. 16. Complete subtraction equations by solving for value of n.

17. Complete division problems which have a two-digit divisor and yield a two-digit quotient.
18. Identify in which century a given event occurred.
19. Reduce or rename a given fraction to its lowest terms.
20. Identify, measure, read, write, and label given items using the customary measurement units of cups, pints, quarts, and gallons.
21. Identify, measure, read, write, and label given items using the customary measurement units of ounces, pounds, and tons.
22. Add and subtract fractions with unlike denominators.
23. Identify , read, and write temperatures given in Fahrenheit degrees.
24. Complete two-digit addition problems and use the regrouping process if necessary.
25. Average a given set of numbers.
26. Add and subtract mixed numbers with like denominators.