



## AOP - 5th Grade - Horizons Math - Quarter 3 Map

Week	Unit/Lesson/ Modification	Submit	Objectives
1	Lesson 90-94	Submit Test 9	<p><b>Students will be able to</b></p> <ol style="list-style-type: none"><li>1. Define the numerator and denominator of a fraction.</li><li>2. Give the fraction of a colored region.</li><li>3. Give the fraction of specific objects in a given set.</li><li>4. Draw two-objects with one and two lines of symmetry.</li><li>5. Solve subtraction equations.</li><li>6. Find two-digit quotients given a three-digit dividend and a two-digit divisor that is a multiple of 10.</li><li>7. Round numbers to the nearest 10, 100, 1,000.</li><li>8. Match geometric terms to their pictorial representation.</li><li>9. Find equivalent fractions.</li><li>10. Give the fraction of a colored region.</li><li>11. Find a congruent figure.</li><li>12. Define a right angle, acute angle, and obtuse angle.</li><li>13. Determine if an event is taking place in the a.m. or p.m. shade numbers that round to 100.</li><li>14. Find two-digit quotients given a three-digit dividend and a two-digit divisor.</li><li>15. Find the greatest common factor of two numbers.</li><li>16. To find equivalent fractions.</li><li>17. Use a protractor to measure angles.</li><li>18. Given a regular polygon and the length of one side, the student will be able to find the perimeter.</li><li>19. Find three-digit quotients given a four-digit dividend and a two-digit divisor.</li><li>20. Given the dates, the student will be able to determine the century in which the event occurred.</li><li>21. Draw a similar figure to a given figure.</li><li>22. Find lowest term fractions.</li><li>23. Find the greatest common factor of two-numbers.</li><li>24. Given two equivalent fractions, the student will be able to find the missing numerator or denominator.</li><li>25. Find the volume of a three-dimensional figure.</li></ol>

			<p>26. Define the following space figures: rectangular pyramid rectangular prism, hexagonal prism, cylinder, octagonal pyramid, octagonal prism.</p> <p>27. Given a division problem, the student will be able to find missing numbers.</p> <p>28. Find equivalent time definitions.</p> <p>29. Find numbers in a number puzzle using logical reasoning.</p>
2	Lesson 95-98	Submit lesson 95	<p><b>Students will be able to...</b></p> <ol style="list-style-type: none"> <li>1. Compare and order fractions.</li> <li>2. Find equivalent fractions.</li> <li>3. Given the length and width of a quadrilateral, the student will be able to find the perimeter and area.</li> <li>4. Divide a four-digit dividend by a two-digit divisor that involves decimal points.</li> <li>5. Add and subtract fractions with like denominators.</li> <li>6. Compare and order fractions.</li> <li>7. Find lowest term fractions.</li> <li>8. Define the following figures: pentagon, hexagon, and octagon.</li> <li>9. Given number clues, the students will be able to find the mystery number.</li> <li>10. Add two, three-digit numbers.</li> <li>11. Round three-digit numbers to the nearest ten and four digit numbers to the nearest hundred. The student will be able to divide rounded numbers.</li> <li>12. Change a mixed number to an improper fractions.</li> <li>13. Add and subtract fractions with different denominators from least to greatest.</li> <li>14. Match fractions to equivalent lowest term fractions.</li> <li>15. Use a factor tree to find prime numbers.</li> <li>16. Determine if a given number is divisible by 2, 5, 10 or 3.</li> <li>17. Given the time in New York city, the students will be able to use a time zone map and determine times in each time zone.</li> <li>18. Change an improper fraction to a mixed number.</li> <li>19. Draw a pictorial representation of mixed numbers.</li> <li>20. Determine if fractions are larger than <math>\frac{1}{2}</math> or smaller than <math>\frac{1}{2}</math>.</li> <li>21. Find the prime factors of composite numbers.</li> <li>22. Find the difference of two three-digit numbers.</li> </ol>
3	Lesson 99-102		<p><b>Students will be able to.....</b></p> <ol style="list-style-type: none"> <li>1. Find the least common multiple of two denominators and the least common denominator of two fractions.</li> <li>2. Add fractions with like denominators.</li> <li>3. Subtract fractions with like denominators.</li> <li>4. Change an improper fractions to a mixed number.</li> <li>5. Change a mixed number to an improper fractions.</li> </ol>

		<ol style="list-style-type: none"> <li>6. Find the product of a three-digit factor by a one-digit factor.</li> <li>7. Find the difference between two five-digit numbers.</li> <li>8. Define place value to the millions' place.</li> <li>9. Solve word problems using the strategy, "Make it Simpler."</li> <li>10. Find the least common multiple of two denominators and the least common denominator of two fractions.</li> <li>11. Match an improper fraction to an equivalent mixed number.</li> <li>12. Add and subtract fractions with like denominators.</li> <li>13. Solve multiplication equations.</li> <li>14. Graph points on a coordinate graph.</li> <li>15. Add fractions with unlike denominators.</li> <li>16. Identify addition terms and complete addition facts.</li> <li>17. Identify line symmetry and symmetric figures.</li> <li>18. Calculate the perimeter, area, and volume of a shape or item.</li> <li>19. Multiply by 10, 100, 1,000.</li> <li>20. Compare and order whole numbers.</li> <li>21. Identify points, lines, and segments, as well as parallel, intersecting and perpendicular lines.</li> </ol>
4	Lesson 103-106	<p><b>Students will be able to.....</b></p> <ol style="list-style-type: none"> <li>1. Add and subtract mixed numbers with like denominators.</li> <li>2. Subtract fractions with unlike denominators.</li> <li>3. Add fractions with unlike denominators.</li> <li>4. Identify and draw specific triangles.</li> <li>5. Multiply three-digit numbers.</li> <li>6. Identify subtraction terms and solve subtraction facts.</li> <li>7. Round numbers to the nearest 10, 100, 1,000.</li> <li>8. Add and subtract mixed numbers with unlike denominators.</li> <li>9. Add and subtract mixed numbers with like denominators.</li> <li>10. Add fractions with unlike denominators.</li> <li>11. Estimate products.</li> <li>12. Complete problem solving problems.</li> <li>13. Identify multiplication terms and solve multiplication facts.</li> <li>14. Identify, draw and label a quadrilateral.</li> <li>15. Identify, draw and label a bar graph.</li> <li>16. Rename improper fractions to mixed numbers.</li> <li>17. Add and subtract mixed numbers with unlike denominators.</li> <li>18. Add and subtract mixed numbers with like denominators.</li> <li>19. Complete multiplication equations.</li> <li>20. Complete problem solving equations.</li> <li>21. Identify multiplication terms and solve multiplication facts.</li> </ol>

			<ul style="list-style-type: none"> <li>22. Draw a circle using a compass and label the parts of a circle.</li> <li>23. Add mixed numbers and rename improper fractions in their sums.</li> <li>24. Rename improper fractions to mixed numbers.</li> <li>25. Add and subtract mixed numbers with unlike denominators.</li> <li>26. Add and subtract mixed numbers with like denominators.</li> <li>27. Complete division problems which contain a one-digit divisor and a one-digit quotient.</li> <li>28. Correctly use and calculate exponents.</li> <li>29. Identify division terms and solve division facts.</li> <li>30. Calculate capacity of a given figure or item.</li> </ul>
5	Lesson 107-110	Submit chapter 11 test.	<p><b>Students will be able to....</b></p> <ul style="list-style-type: none"> <li>1. Add and subtract mixed numbers and rename improper fractions in the sum or difference.</li> <li>2. Add mixed numbers and rename improper fractions in their sum.</li> <li>3. Add mixed numbers and rename improper fractions in their sums.</li> <li>4. Rename improper fractions to mixed numbers.</li> <li>5. Add and subtract mixed numbers with unlike denominators.</li> <li>6. Add and subtract mixed numbers with like denominators.</li> <li>7. Find the least common multiple of two numbers.</li> <li>8. Complete a division problem which contains a one-digit divisor and a two-digit quotient.</li> <li>9. Subtract mixed numbers with like denominators, borrowing from the whole number and renaming when necessary.</li> <li>10. Add and subtract mixed numbers and rename improper fractions in the sum or difference.</li> <li>11. Add and subtract mixed numbers and rename answers with improper fractions.</li> <li>12. Rename mixed numbers.</li> <li>13. Divide money.</li> <li>14. Complete factor trees.</li> <li>15. Add two- and three-digit numbers.</li> <li>16. Solve for missing addends.</li> <li>17. Subtract mixed numbers with unlike denominators, borrowing from the whole number and renaming when necessary.</li> <li>18. Add mixed numbers and rename improper fractions in their sums.</li> <li>19. Identify prime and composite numbers.</li> <li>20. Add four-, five- and six-digit numbers.</li> <li>21. Identify place value through the billions.</li> <li>22. Solve for missing addends.</li> <li>23. Add and subtract whole numbers, mixed numbers, and fractions.</li> <li>24. Subtract mixed numbers with like and unlike denominators, borrowing from the whole number and renaming when necessary.</li> <li>25. Rename mixed numbers.</li> <li>26. Add using column addition.</li> </ul>

			<p>27. Identify place value through the billions.</p> <p>28. Solve problems which require the use of more than one operation.</p>
6	Lesson 111-114		<p><b>Students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Given pictorial representations, the students will be able to find the fraction of a number.</li> <li>2. Find the difference of two mixed fractions.</li> <li>3. Given two fractions, the students will be able to find the least common denominator.</li> <li>4. Find the sum of two mixed fractions.</li> <li>5. Solve problems with two operations.</li> <li>6. Find the quotient and remainder of the division problem using a calculator.</li> <li>7. Multiply fractions.</li> <li>8. Find the fraction of a number..</li> <li>9. Find the difference of two mixed fractions.</li> <li>10. Find a two-digit quotient given a three-digit dividend and a two-digit divisor.</li> <li>11. Define triangles as equilateral scalene and isosceles. The students will be able to determine whether a triangle is a right triangle.</li> <li>12. Find the difference of two five-digit numbers.</li> <li>13. Order numbers from greatest to least.</li> <li>14. Multiply mixed numbers.</li> <li>15. Multiply fractions.</li> <li>16. Make the correct change using the fewest bills and coins.</li> <li>17. Find the fraction of a number.</li> <li>18. Solve subtraction equations.</li> <li>19. Round numbers to the nearest 100.</li> <li>20. Use a protractor and find the measure of given angles.</li> <li>21. Divide a whole number by a fraction.</li> <li>22. Multiply two mixed numbers.</li> <li>23. Multiply two fractions.</li> <li>24. Find the average of three numbers.</li> <li>25. Find the product of a three-digit number by one-digit number.</li> <li>26. Round numbers to the nearest 1,000.</li> <li>27. Find the fractions of a whole number.</li> </ol>
7	Lesson 115-118		<p><b>Students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Divide a fraction by a whole number.</li> <li>2. Divide a whole number by a fraction.</li> <li>3. Multiply mixed numbers.</li> <li>4. Multiply fractions.</li> <li>5. Find the average of three numbers.</li> <li>6. Find the product of a three-digit number by 10, 100, 1,000.</li> </ol>

			<ol style="list-style-type: none"> <li>7. Solve fraction word problems.</li> <li>8. Divide a fraction by a fraction.</li> <li>9. Fraction by a whole number.</li> <li>10. Solve fraction word problems.</li> <li>11. Add mixed numbers.</li> <li>12. Divide a two-digit dividend by a three-digit divisor.</li> <li>13. Multiply two, two-digit numbers.</li> <li>14. Use logical reasoning to define missing digits.</li> <li>15. Read and write ratios.</li> <li>16. Divide a whole number by a fraction.</li> <li>17. Divide a fraction by a whole number.</li> <li>18. Divide a fraction by a fraction.</li> <li>19. Multiply three, three-digit numbers.</li> <li>20. Divide a two-digit dividend by one-digit divisor.</li> <li>21. Find equal ratios.</li> <li>22. Read and write ratios.</li> <li>23. Divide a mixed number by a fraction.</li> <li>24. Divide a fraction by a whole number.</li> <li>25. Divide a whole number by a fraction.</li> <li>26. Solve equations.</li> </ol>
8	Lesson 119-122	Submit test 12	<p><b>Students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Divide to find equal ratios.</li> <li>2. Multiply to find equal ratios.</li> <li>3. Solve word problems using equal ratios.</li> <li>4. Order fractions from least to greatest.</li> <li>5. Multiply a two-digit number by a two-digit number.</li> <li>6. Given word clues, the students will be able to find a mystery number.</li> <li>7. Use a calculator to determine if ratios are equal or not equal.</li> <li>8. Multiply to complete an equal ratio chart.</li> <li>9. Find the value of numbers and exponents.</li> <li>10. Find the sum of two, four-digit numbers and complete a crossword puzzle.</li> <li>11. Use <math>&lt;</math>, <math>&gt;</math>, and <math>=</math> to compare fractions.</li> <li>12. Solve equations.</li> <li>13. Identify and write decimals through the tenths' place.</li> <li>14. Convert percents to decimals decimals to percents.</li> <li>15. Identify and use time definitions.</li> <li>16. Complete a division problem that contains a two-digit divisor and a three-digit quotient.</li> <li>17. Add mixed numbers and rename improper sums, when necessary.</li> <li>18. Identify and write decimals through the hundredths' place.</li> </ol>

			<ul style="list-style-type: none"> <li>19. Identify and write decimals through the tenths' place.</li> <li>20. Identify and use the terms A.M. &amp; P.M., and century.</li> <li>21. Complete division problems that contain a two-digit divisor and a zero in the quotient.</li> <li>22. Identify prime and composite numbers.</li> <li>23. Subtract four-, five-, and six-digit numbers.</li> <li>24. Subtract mixed numbers with a common denominator.</li> </ul>
9	Lesson 123-126		<p><b>Students will be able to</b></p> <ul style="list-style-type: none"> <li>1. Identify and write decimals through the thousandths' place.</li> <li>2. Identify and write decimals through the hundredths' place.</li> <li>3. Identify and write decimals through the tenths' place.</li> <li>4. Calculate a given percent of a given number.</li> <li>5. Calculate the least common multiple of two numbers.</li> <li>6. Subtract mixed numbers with unlike denominators.</li> <li>7. Add and subtract money.</li> <li>8. Complete subtraction problems.</li> <li>9. Complete factor trees.</li> <li>10. Compare and order decimals.</li> <li>11. Identify and write decimal through the thousandths place.</li> <li>12. Identify and write decimals through the hundredths and tenths' place.</li> <li>13. Convert percents to fractions and fractions to percents.</li> <li>14. Divide money.</li> <li>15. Find the fractional portion of a number.</li> <li>16. Identify multiplication terms and complete multiplication facts.</li> <li>17. Round decimals.</li> <li>18. Compare and order decimals.</li> <li>19. Identify and write decimals through the thousandths' place.</li> <li>20. Identify and write decimals through the hundredths' and tenths' place.</li> <li>21. Complete division problems that contain a one-digit divisor and a three-digit quotient.</li> <li>22. Complete two-digit multiplication problems.</li> <li>23. Multiply fractions.</li> <li>24. Complete addition problems.</li> <li>25. Estimate decimal addition problems and subtraction problems.</li> <li>26. Round decimals.</li> <li>27. Compare and order decimals.</li> <li>28. Identify and write decimals through the thousandths' place.</li> <li>29. Multiply mixed numbers.</li> <li>30. Multiply three-digit numbers.</li> <li>31. Identify division terms and complete division facts.</li> </ul>