ENLIGHTIUM ACADEMY

BJU Press - 5th Grade - Math - Quarter 3 Map

Week	Lessons	Project/Activity	Modification	Submit	Objectives
1	100-105	Lesson 105			**Students will be able to:** 1. Explain how math helps people do work in airports 2. Write a mathematical expression for a word phrase 3. Use two equal expressions to write an equation 4. Evaluate and relate expressions using > < or = 5. Apply properties and strategies to evaluate and relate equivalent expressions Write an equation for part-part whole model u 6. Use substitution to determine the value of an expression 7. Use substitution or mental math to determine an unknown value in an equation 8. Determine the value of objects on a balanced scale 9. Picture a word problem 10. Solve word problems with unlike parts 11. Write an equation for a word problem 12. Rename parts with unlike labels 13. Identify the problem that needs to be solved 14. Recognize food and nutrient groups 15. Identify appropriate ingredients for an energy snack 16. Formulate a recipe that meets assigned guidelines 17. Evaluate a recipe for nutritional content 18. Prepare a snack according to a recipe 19. Evaluate a snack 20. Adjust a recipe as needed 21. Explain how math helped you do your work and please God

					Review and test
2	106-110		Do lessons 190 and 110 together, do only first page of 110, second page is optional	Submit chapter 10 test	**Students will be able to:** 1. Use math to devise a plan and make a wise choice 2. Describe and identify regular and irregular polygons 3. Calculate the perimeter of a polygon 4. Identify a square, a rectangle, a parallelogram, a trapezoid, and rhombus as quadrilateral 5. Recognize that the sum of the angle measurements of any quadrilateral has 360 degrees 6. Relate the diameter of a circle to its circumference 7. Estimate the circumference of a circle 8. Identify and describe similar congruent and symmetrical figures 9. Identify model and describe translations, rotations, and reflections 10. Use a protractor to measure the angles in a triangle 11. Identify that the sum of the angle measurements of any triangle is 180 degrees 12. Classify triangles as right, acute, or obtuse 13. Classify triangles as equilateral, isosceles, or scalene
3	111-115	Chapter 11 Test		Chapter 11 test	**Students will be able to:** 1. Use a formula to calculate the area of a square and of a rectangle 2. Calculate the area of a complex polygon 3. Solve geometry word problems 4. Use formula to find the area of a triangle 5. Solve geometry word problems 6. Calculate the area of a square, a rectangle, a complex figure, and a triangle 7. Calculate the perimeter of a rectangle 8. Use math to choose the wiser purchase **Review and test**

4	116-120		Do lessons 116 and 117 together	Lesson 117	**Students will be able to:** 1. Solve a repeated addition problem 2. Simplify answers 3. Write a multiplication equation for a repeated addition equation 4. Multiply a whole number and a fraction 5. Use math to evaluate a situation and make a wise decision 6. Complete an input/output table 7. Find a fraction of a whole number 8. Multiply to find a fraction of a whole number 9. Solve a fraction word problem and interpret the solution 10. Find a fraction of a fraction 11. Multiply to find a fraction of a fraction 12. Multiply a whole number and mixed number 13. Rename a number as an improper fraction to multiply 14. Use the distributive property to multiply 15. Write a mathematical expression for a phrase 16. Estimate the product of mixed numbers by rounding to the nearest whole number 17. Rename mixed numbers as improper fractions to multiply 18. Use the distributive property to multiply mixed numbers
5	121-125		Do lessons 121 and 122 together		**Students will be able to:** 1. Use a diagram or a number line to divide a whole number by a fraction 2. Solve a division word problem and interpret the solution 3. Use multiplication to check a division problem 4. Use a diagram or a number line to divide a fraction by a fraction 5. Divide unlike fractions by renaming 6. Use multiplication to check a division problem 7. Write related multiplication and division equations 8. Identify the reciprocal of a fraction 9. Divide by multiplying the reciprocal of the divisor 10. Identify the reciprocal of a fraction 11. Divide by multiplying the reciprocal of the divisor 12. Use multiplication to check a division problem 13. Complete an input/output table

					14. Solve a fraction word problem and interpret the solution 15. Apply knowledge of fractions to make a wise decision 16. Identify practical uses of fractions 17. Apply fractions to real life situations in history 18. Solve a multi step word problem 19. Defend the importance of learning math to worship God through music 20. Apply fractions to real-life situations in government
6	126-130	Be wise and upcycle	Do lesson 126 on Thursday and Friday	Chapter 12 test	**Students will be able to:** 1. Discuss upcycling 2. Apply math to increase the usefulness of discarded materials 3. Discuss design principles for strengthening structures 4. Identify the problem that needs to be solved 5. Design a functional and attractive weight bearing cardboard chair 6. Build a cardboard chariot 7. Improve the design and construction of a cardboard chair 8. Decorate a cardboard chair 9. Apply math to increase the usefulness of discarded material **Review and test** **Students will be able to:** 1. Explain that math helps us represent real-life information in a simplified way 2. Read and write decimals to the one-thousandths place 3. Identify what each digit in a decimal represents 4. Write decimals as fractions and as mixed numbers 5. Identify the equivalent fraction for a decimal

7	131-135		Do lessons 131 and 132 together		**Students will be able to:** 1. Plot decimals on a number line 2. Round decimals to a given place 3. Order decimals from least to greatest 4. Compare decimals 5. Estimate the product by rounding to the nearest whole number 6. Multiply a decimal by a whole number 7. Solve decimal word problems 8. Multiply a decimal by a multiple of ten 9. Multiply a decimal by a decimal 10. Write a decimal in expanded form with multiplication 11. Estimate the product by rounding to the nearest whole number 12. Multiply a decimal by a decimal 13. Annex 0's in the product 14. Write a word problem for a multiplication equation 15. Divide a decimal by a 1-digit whole number 16. Divide a decimal by a 1-digit whole number by renaming the divided 17. Read and interpret a chart
8	136-140		Do lessons 136 and 137 together		**Students will be able to:** 1. Annex a 0 to rename a decimal 2. Divide to find a quotient less than 1d 3. Divide to rename a fraction as a decimal 4. Affirm that there are different ways to model the world mathematically 5. Divide to find a quotient containing 0 6. Divide a decimal by 1-digit whole number 7. Divide to rename a fraction as a decimal 8. Solve a money word problem and interpret the solution 9. Use mental math to multiply a decimal by a power of 10 10. Use mental math to divide a decimal by a power of 10 11. Solve a word problem and interpret the solution 12. Solve word problems working backwards

					Review and test
9	141-144			Chapter 13 test	**Students will be able to:** 1. Distinguish between 2-dimensional figures 2. Identify flat and curved surfaces of 3-dimensional figure 3. Define “polyhedron” 4. Identify faces, edges, and vertices of a polyhedron 5. Distinguish between prisms and pyramids 6. Discuss how geometry is used to model in aviation 7. Distinguish between prisms and pyramids 8. Identify the characteristics of 3-dimensional figures 9. Order decimals from least to greatest 10. Define surface area 11. Find the surface area of a rectangular prism 12. Find the surface area of a cube