



## BJU Press - 7th Grade - Math - Quarter 3 Map

Week	Unit/ Lessons	Project/ Activity	Submit	Objectives
1	Chapter 8 test Chapter 9	Day 1: Section 8.9 Day 2: Chapter review and test Day 3: Section 9.1 Day 4: Section 9.2	Submit Chapter 8 Test	<ul style="list-style-type: none"><li>*Identify similar polygons</li><li>*Find missing side lengths of similar polygons using proportions</li><li>*Recall information for chapter 8 test</li><li>*Calculate the areas of squares and rectangles</li><li>*Find the missing side of a rectangle, given its area and one side</li><li>*Find the areas of regions made up of non overlapping squares and rectangles</li><li>*Calculate the areas of parallelograms and triangles</li><li>*Find a missing dimension of a triangle or a parallelogram, given the area and the other dimension</li></ul>
2		Day 1: Section 9.3 Day 2: Section 9.4 Day 3: Section 9.5 Day 4: Section 9.6	Submit chapter 9 activity	<ul style="list-style-type: none"><li>*Calculate the area of a trapezoid</li><li>*Find the height of a trapezoid, given the bases and the area</li><li>*Calculate the area of a circle</li><li>*Find a circle's circumference, given its area</li><li>*Find the area of a similar figure, given a pair of corresponding sides and the area of the other figure</li><li>*Find the side of one of two similar figures, given the corresponding side in the other figure and the areas of both figures</li><li>*Identify types of three-dimensional figures</li><li>*Calculate the surface area of a polyhedron</li></ul>
3		Day 1: Section 9.7 Day 2: Section 9.8 Day 3: Chapter 9 review Day 4: Chapter 9 test		<ul style="list-style-type: none"><li>*Calculate the volume of a prism</li><li>*Find the height of a prism, given the base area and the volume</li><li>*Calculate the volume of a cylinder</li><li>*Calculate the surface area of a cylinder</li><li>*Recall information for Chapter 9 test *</li></ul>

4		Day 1: Chapter 10 Section 1 Day 2: Section 10.2 Day 3: Section 10.3 Day 4: Section 10.4		<ul style="list-style-type: none"> <li>*Determine the number of arrangements using a tree diagram</li> <li>*Determine the number of arrangements using the Fundamental Principle of Counting</li> <li>*Find the number of permutations of <math>n</math> objects taken <math>n</math> at a time</li> <li>*Find the number of permutations of <math>n</math> objects taken <math>r</math> at a time</li> <li>*Calculate the probability of an event occurring</li> <li>*Find the range of a set of data</li> <li>*Find the mean, median, and mode of a set of data</li> </ul>
5		Day 1: Section 10.5 Day 2: Section 10.6 Day 3: Section 10.7 Day 4: Section 10.8		<ul style="list-style-type: none"> <li>*Determine information from a circle graph</li> <li>*Make a circle graph to picture how a part relates to the whole</li> <li>*Determine information from a bar and line graphs</li> <li>*Make a bar graph to compare data</li> <li>*Make a line graph to represent the change of data over time</li> <li>*Determine information from a histogram</li> <li>*Make a histogram from a frequency table</li> <li>*Represent data with a box-and-whisker diagram</li> <li>*Represent data with a stem-and-leaf diagram</li> </ul>
6		Day 1: Chapter 10 review Day 2: Cumulative Review and Chapter 10 test Day 3: Chapter 11 Section 11.1 Day 4: Section 11.2	Submit chapter 10 Test	<ul style="list-style-type: none"> <li>*Recall information for chapter 10 test</li> <li>*Recall information from previous chapters</li> <li>*Determine opposite numbers</li> <li>*compare integers</li> </ul>
7		Day 1: Section 11.2 cont. Day 2 and 3: Section 11.3 Day 4 and 5: Section 11.4		<ul style="list-style-type: none"> <li>*Find the absolute value of a number</li> <li>*Simplify expressions containing absolute values</li> <li>*Add integers *Subtract integers</li> </ul>
8		Day 1 and 2: Section 11.5 Day 3 and 4: Section 11.6		<ul style="list-style-type: none"> <li>Subtract integers</li> <li>*Multiply integers</li> <li>*Divide integers</li> </ul>
9		Day 1 and 2: Section 11.7 Day 3: and 4: Section 11.8 Day 5: Chapter 11 test	Submit chapter 11 Test	<ul style="list-style-type: none"> <li>*Simplify numerical expressions involving integers</li> <li>*Classify numbers by placing them on a Venn Diagram</li> </ul>