

GRADE	CONTENT	SKILLS	ALTERNATIVE MATH CURRICULUM CHAPTERS	GO MATH! CHAPTERS/BIG IDEAS MATH LESSON SECTIONS
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### NUMBERS AND OPERATIONS

**Essential Question:** How can we use God's gift of the number system to understand the world and all created things?  
**Big Idea:** The use of the number system to help us understand the world and all created things is a gift from God.

6	Rational Numbers	<p><b>6.NO.1</b> Add, subtract, multiply, and divide multi-digit whole numbers and decimals (6.NS.2,3)</p> <p><b>6.NO.2</b> Find common factors and multiples (6.MS.4); understand and apply prime factorization and exponents (6.EE.1)</p> <p><b>6.NO.3</b> Understand, compare, and order integers; apply integer principles within the four basic operations; graph ordered pairs on a coordinate plane (6.NS.5,6,7,8)</p> <p><b>6.NO.4</b> Divide fractions by fractions; express a remainder as a fraction or decimal; convert within fractions, decimals, and percents; convert fractions to terminating, repeating or rounded decimals (6.NS.1)</p>		<p><b>Chapter:</b> 1.1, 1.6, 1.7, 1.8, 1.9/<b>Section:</b> 2.8, 3.1, 3.2, 3.3, 3.4, 3.5</p> <p><b>Chapter:</b> 1.2, 1.3, 1.4, 1.5, 2.3, 2.4, 7.1, 7.2./<b>Section:</b> 1.1, 1.4</p> <p><b>Chapter:</b> 2.1, 2.2, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10/<b>Topic:</b> 1,2,3,4, <b>Section:</b> 4.3</p> <p><b>Chapter:</b> 2.5, 2.6, 2.7, 2.8, 2.9, 2.10/<b>Section:</b> 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7</p>
	Ratios/Proportions/Percentages	<p><b>6.NO.5</b> Understand and apply ratio concepts and use ratio reasoning to solve problems (6.RP.1.2.3)</p>		<p><b>Chapter:</b> 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6/<b>Section:</b> 4.1, 4.2, 4.4, 4.5, 5.1, 5.2, 5.3</p>

### OPERATIONS AND ALGEBRAIC THINKING

**Essential Question:** What do mathematical principles demonstrate about God.  
**Big Idea:** The consistency of mathematical principles continues to demonstrate the orderliness and precision of God.

6	Expressions and Equations	<p><b>6.OAT.1</b> Apply basic operations to algebraic expressions; solve and explain one-variable equations and inequalities; identify parts of an expression using mathematical terms (6.EE.1,2,3,4,5,6,7,8)</p> <p><b>6.OAT.2</b> Represent, graph, and analyze quantitative relationships between dependent and independent variables (6.EE.9)</p>		<p><b>Chapter:</b> 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8, 8.9, 8.10, 10.1, 10.3, 10.5, 10.6, 10.7, 11.3, 11.4, 11.6/<b>Section:</b> 1.1, 1.2, 1.3, 1.4, 1.5, 6.1, 6.2, 6.3, 6.4, 7.1, 7.2, 7.3, 7.4, 8.1, 8.2, 8.3, 8.4</p> <p><b>Chapter:</b> 9.1, 9.2, 9.3, 9.4, 9.5/<b>Section:</b> 9.1, 9.2, 9.3, 9.4, 9.5</p>
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**MEASUREMENT****Essential Question:** How can we show honor to God by being faithful and accurate in our measurements?**Big Idea:** God is concerned that we be accurate and orderly in our use of weights, measures, and numbers.**6****Elapsed Time****6.M.1** Calculate elapsed time**GEOMETRY****Essential Question:** How does the study of geometrical principles help us to better understand God's creation?**Big Idea:** Study of geometrical principles results in a greater understanding of the complexity of God's creation.**6****Area/Volume****6.GEO.1** Solve real-world and mathematical problems involving area, surface area, and volume (6.G.1,2,3,4)**Chapter:** 10.1, 10.2, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8, 10.9, 11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.7/**Section:** 6.4, 7.5, 7.6, 7.6b, **Topic** 4**DATA ANALYSIS, STATISTICS, AND PROBABILITY****Essential Question:** How can we quantify our findings in a way that pleases God**Big Idea:** God has at various times commanded men to count, measure, and record their findings.**6****Statistics and Probability****6.DSP.1** Develop understanding of statistical variability (6.SP.1,2,3)**6.DSP.2** Summarize and describe distributions (6.SP.4,5)**Chapter:** 12.1, 12.6, 13.1, 13.4, 13.6, 13.7, 13.8/**Section:** 5.4, 5.5, 5.6, 5.6b**Chapter:** 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 12.8, 13.1, 13.2, 13.3, 13.4, 13.5/**Section:** 5.4, 5.5, 5.6, 5.6b