

Rational Number Representations and Operations

Catholic Identity Standards (Ways to Grow)		Notes	Check Up		
Living our Faith	<input type="checkbox"/> I can connect what I learn to my faith.*				
	<input type="checkbox"/> I can apply what I learn in my daily life.*				

Learning Process Standards (Tools to Know)		Notes	Check Up		
Applying Math in Everyday Situations	<input type="checkbox"/> I can determine what math I need to use to solve a problem. 7.2A				
Using Problem-Solving Models	<input type="checkbox"/> I can use a problem-solving model to solve a problem. 7.2B				
	<input type="checkbox"/> I like when I can solve difficult problems.* 7.2C				

Content		Notes	Check Up		
Solving Problems with Rational Numbers	<input type="checkbox"/> I can solve problems involving $+/-/x/\div$ with whole numbers, decimals, percents, and fractions. 7.4A				
	<input type="checkbox"/> I can add, subtract, multiply, and divide rational numbers quickly and accurately. 7.4A.1				
	<input type="checkbox"/> I can explain the difference between whole numbers, integers, and rational numbers, using a graphic organizer. 7.4A.2				

Learning Process Standards (Ways to Show)		Notes	Check Up		
Creating/Using Representations	<input type="checkbox"/> I can create a representation of my math solution and explain it to another person. 7.2D				
Analyzing Information	<input type="checkbox"/> I can describe and connect math ideas. 7.2E				
	<input type="checkbox"/> I can ask questions to figure out if something is true or false.* 7.2F				

Proportional Reasoning

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Learning Process Standards (Tools to Know)		Notes	Check Up		
Applying Math in Everyday Situations	<input type="checkbox"/> I can determine what math I need to use to solve a problem. 7.2A				
Using Problem-Solving Models	<input type="checkbox"/> I can use a problem-solving model to solve a problem. 7.2B				
	<input type="checkbox"/> I like when I can solve difficult problems.* 7.2C				

Content		Notes	Check Up		
Constant Rate of Change	<input type="checkbox"/> I can determine the constant rate of change from numbers in a real-world problem. 7.5A				
	<input type="checkbox"/> I can determine the constant rate of change from numbers shown in a table. 7.5A				
	<input type="checkbox"/> I can determine the constant rate of change from numbers shown in a graph. 7.5A				
	<input type="checkbox"/> I can determine the constant rate of change from numbers shown in an equation. 7.5A				
	<input type="checkbox"/> I can represent a problem as a proportion and calculate unit rates. 7.5A.1				
	<input type="checkbox"/> I can represent a problem using $k = \frac{y}{x}$ and calculate the constant of proportionality. 7.5A.2				
Linear Equations	<input type="checkbox"/> I can represent linear relationships using tables. 7.5B				
	<input type="checkbox"/> I can represent linear relationships using graphs. 7.5B				
	<input type="checkbox"/> I can represent linear relationships using equations. 7.5B				
Ratios/Rates/Percentages	<input type="checkbox"/> I can represent linear relationships using tables. 7.5C				
	<input type="checkbox"/> I can represent linear relationships using graphs. 7.5C				
	<input type="checkbox"/> I can represent linear relationships using equations. 7.5C				

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Geometry and Measurement

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Learning Process Standards (Tools to Know)		Notes	Check Up		
Applying Math in Everyday Situations	<input type="checkbox"/> I can determine what math I need to use to solve a problem. 7.2A				
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Content		Notes	Check Up		
Area	<input type="checkbox"/> I can break a figure into smaller shapes in order to find its area. 7.6A				
	<input type="checkbox"/> I can find the lateral and total surface area of prisms and pyramids by determining the area of the shape's net. 7.6A.1				
Volume	<input type="checkbox"/> I can identify the height (h) and base area (B) of a prism or a pyramid to solve volume problems. 7.6B				
	<input type="checkbox"/> I can explain that a prism has 3 times the volume of a pyramid with the same base and height. 7.6B.1				
	<input type="checkbox"/> I can explain the similarities and differences between the formulas for the volume of a pyramid and the volume of a prism. 7.6B.1, 7.6B.2				
Similarity	<input type="checkbox"/> I can use proportions to find unknown measures in similar shapes. 7.6C				
	<input type="checkbox"/> I can write proportions to relate the corresponding sides of similar figures. 7.6C.1				
Angle Relationships	<input type="checkbox"/> I can write and solve equations for missing angle measures in a triangle. 7.6D				
Circles	<input type="checkbox"/> I can calculate the circumference and area of a circle. 7.6E				
	<input type="checkbox"/> I can explain how the number pi (π) is related to a circle's diameter and circumference. 7.6E.1				

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Data Analysis

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Learning Process Standards (Tools to Know)		Notes	Check Up		
Applying Math in Everyday Situations	<input type="checkbox"/> I can determine what math I need to use to solve a problem. 7.2A				
Using Problem-Solving Models	<input type="checkbox"/> I can use a problem-solving model to solve a problem. 7.2B				
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Content		Notes	Check Up		
Interpreting Data	<input type="checkbox"/> I can solve percentage problems by using information represented on a bar graph. 7.7A				
	<input type="checkbox"/> I can solve percentage problems by using information represented on a dot plot. 7.7A				
	<input type="checkbox"/> I can solve percentage problems using information represented on a circle graph. 7.7A				
	<input type="checkbox"/> I can explain the difference between a <i>population</i> and a <i>random sample</i> from that population. 7.7A.1				
Comparing Data	<input type="checkbox"/> I can compare the shape, center, and spread of two groups of data represented in a dot plot. 7.7B				
	<input type="checkbox"/> I can compare the shape, center, and spread of two groups of data represented in a box plot. 7.7B				
	<input type="checkbox"/> I can use data from random samples to compare two populations. 7.7B.1				

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Probability

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Content		Notes	Check Up		
Determining Probability	<input type="checkbox"/> I can determine the probability of a simple event. 7.7C				
	<input type="checkbox"/> I can determine probability of a compound event. 7.7C				
	<input type="checkbox"/> I can use proportions to determine the theoretical probability of an event occurring and not occurring. 7.7C.1				
	<input type="checkbox"/> I can list or describe all the possible outcomes for an experiment or event. 7.7C.2				
	<input type="checkbox"/> I can create an experiment to represent a simple or compound event. 7.7C.3				
Applying Probability	<input type="checkbox"/> I can use phrases such as “more likely,” “less likely,” or “equally likely” to describe outcomes from simple experiments. 7.7D				
	<input type="checkbox"/> I can use proportions to make a prediction based on experimental or theoretical probability. 7.7D.1, 7.7D.2				
	<input type="checkbox"/> I can use data from a random sample to make inferences about a population. 7.7D.3				

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Equations and Inequalities

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Content		Notes	Check Up		
Solving Problems with Equations/Inequalities	<input type="checkbox"/> I can solve two-step equations. 7.8A				
	<input type="checkbox"/> I can solve two-step inequalities. 7.8A				
	<input type="checkbox"/> I can write an equation to represent a word problem. 7.8A.1				
	<input type="checkbox"/> I can write an inequality to represent a word problem. 7.8A.1				
	<input type="checkbox"/> I can use a number line to represent solutions to an equation or inequality. 7.8A.2				

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