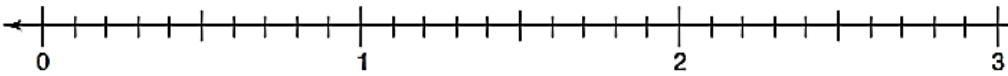


Number Sense & Quantity

What I Need to Know	Things to Remember	Practice																													
<p>1. Operations with Integers</p>	<p>Order of Operations (PEMDAS)</p>	<p>a. $-5 + 3 \times 4^2 \div 2 =$ _____</p>	<p>b. $-4(3^2 + 1) \div 5 + 6 =$ _____</p>																												
		<p>c. How do you know when the sum of a positive and negative integer will be positive?</p>	<p>d. How do you know when the sum of a positive and negative integer will be negative?</p>																												
<p>2. Real World Applications of Integers</p>		<p>a. Represent the scenario with an integer: -You take the elevator to 14th floor. -The temperature is seven degrees below zero.</p>	<p>b. Amara jumped off the diving board that was 12 feet in the air and went 9 feet below the water's surface. How far did she travel?</p>																												
<p>3. Decimal Comparison</p>		<p>a. Order from least to greatest: 2.13, 2.561, 2.098, 2.56, 2.375, 2.36</p>	<p>b. Compare the following decimals: 0.56 _____ 0.5 0.35 _____ 0.350</p>																												
<p>4. Decimals on a Number Line</p>		<p>a. Plot the following points on the number line.</p> <p style="text-align: center;">0.45 1.78 2.95 2.6 1.3 1.75 0.16 0.6 2 2.91</p> 																													
<p>5. Rounding Decimals</p>		<p>a. Complete the chart below:</p> <table border="1" data-bbox="521 1703 1507 1934"> <thead> <tr> <th></th> <th>Round to the nearest hundred</th> <th>Round to the nearest ten</th> <th>Round to the nearest one</th> <th>Round to the nearest tenth</th> <th>Round to the nearest hundredth</th> <th>Round to the nearest thousandth</th> </tr> </thead> <tbody> <tr> <td>4735.1628</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>258.0751</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>632.9516</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Round to the nearest hundred	Round to the nearest ten	Round to the nearest one	Round to the nearest tenth	Round to the nearest hundredth	Round to the nearest thousandth	4735.1628							258.0751							632.9516						
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6. Decimal-Fractions-Percent Conversions		Convert the following fractions, decimals, and percents.																				
		<table border="1"> <thead> <tr> <th>Fraction</th> <th>Decimal</th> <th>Percent</th> </tr> </thead> <tbody> <tr> <td>5/8</td> <td></td> <td></td> </tr> <tr> <td></td> <td>0.24</td> <td></td> </tr> <tr> <td></td> <td></td> <td>33%</td> </tr> <tr> <td></td> <td>.145</td> <td></td> </tr> <tr> <td>2/7</td> <td></td> <td></td> </tr> </tbody> </table>	Fraction	Decimal	Percent	5/8				0.24				33%		.145		2/7				
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7. Ordering Fractions		a. Order from least to greatest: $\frac{4}{5}, \frac{4}{10}, \frac{4}{12}, \frac{4}{7}$	b. Order from least to greatest: $\frac{5}{9}, \frac{7}{13}, \frac{2}{7}, \frac{10}{11}$																			
11. Converting Between Improper and Mixed Numbers		a. Convert to improper fractions: $1\frac{3}{8}$ $7\frac{3}{4}$	b. Convert to mixed numbers: $\frac{27}{8}$ $\frac{13}{5}$																			
12. Operations with Fractions		a. Add or Subtract: $\frac{3}{5} - \frac{1}{3} =$ $\frac{3}{5} + \frac{1}{4} =$ $2\frac{2}{3} - \frac{1}{4} =$ $12\frac{1}{7} - 8\frac{2}{3} =$		b. Multiply or Divide: $\frac{7}{10} \times \frac{2}{21} =$ $\frac{2}{5} \div \frac{1}{6} =$ $6\frac{4}{5} \div \frac{1}{2} =$																		

<p>13. Operations with Fractions (Word Problems)</p>		<p>a. A stack of board is 21 inches high. Each board is $1\frac{3}{4}$ inches thick. How many boards are there?</p>	<p>b. DJ Gabe is going to serve $\frac{1}{3}$ of a whole pizza to each guest at his party. If he expects 24 guests, how many pizzas will he need?</p>
		<p>c. $3\frac{1}{3}$ feet are cut off a board that is $12\frac{1}{4}$ feet long. How long is the remaining part of the board?</p>	<p>d. $\frac{3}{8}$ of the corn in the US is grown in Iowa. $\frac{1}{4}$ of it is grown in Nebraska. How much of the corn supply is grown in the two states?</p>
<p>14. Estimating Square Roots</p>		<p>a. $\sqrt{43}$ is between what two whole numbers?</p>	<p>b. $\sqrt{71}$ is between what two whole numbers?</p>
		<p>c. Estimate $\sqrt{31}$. Use the number line below and explain your estimation.</p>	<p>d. Estimate $\sqrt{53}$. Use the number line below and explain your estimation.</p>