

Hi Rising 6th Graders,

Congratulations on finishing the year strong and I wish you all a wonderful and well-earned summer vacation! The attached packet is for you to do over the course of the summer. It is organized by the week. Feel free to use that structure or to move ahead of the schedule and finish early! You will bring the completed packets to Melissa in the fall.

Note that some of the problems are optional ("May Do") because we did not cover those topics in class.

Happy summer!!

Damon

5th Grade Week One

Problem	Work & Answer
List the factors of each number. a.) 24 b.) 64	
Fill in the missing number. a.) $0.24 - .128 = ?$ b.) $94.19 + 2.6 + \underline{\quad} = 161.29$	
Compare using $<$, $>$, or $=$ a.) $0.245 \bigcirc 0.0245$ b.) $24.500 \bigcirc 24.5$ c.) $20.405 \bigcirc 20.45$	
Write the following in expanded form: May Do a.) 0.234 b.) 14.78	
Divide: a.) $2,936 \div 4$ b.) $14,783 \div 12$	

Week Two

Problem	Work & Answer
<p>List the next four terms in the sequences with the given rule:</p> <p style="text-align: center;"><i>May Do</i></p> <p>a.) Start at 0, add three</p> <p>b.) Start at 0, add six</p> <p>c.) What is the relationship between the two sequences?</p> <p>Multiply:</p> <p>a.) 23.5×6</p> <p>b.) 2.35×0.6</p> <p>c.) 235.0×0.06</p>	
<p>Name each ordered pair.</p> <p><i>May Do</i></p>	
<p>Find each sum:</p> <p>a.) $\frac{1}{2} + \frac{1}{4}$ b.) $\frac{1}{4} + \frac{1}{3} + 3\frac{7}{12}$</p>	
<p>Round each number to the nearest tenth:</p> <p>a.) 985.76 b.) 43.52 c.) 0.859</p> <p style="text-align: center;"><i>May Do</i></p>	


Week Three

Problem	Work & Answer
<p>Use the order of operations to simplify each expression:</p> <p>a.) $(6 \times 3) + 72 \div 8 - 5 + 1$</p> <p>b.) $3 \times \{[(65-49) + (42 \div 7)] \div 2\}$</p>	
<p>Order the following from least to greatest:</p> <p>0.25, 2.205, 0.502, 0.225, 2.025</p>	
<p>Find the product of each of the following:</p> <p>a.) $2.85 \cdot 29$</p> <p>b.) $\\$1.55 \cdot 13$</p> <p>c.) $1.2 \cdot 2.1$</p>	
<p>If you bought 3 CD's each costing \$12.99, and paid with a \$50 bill. What would your change be?</p>	
<p>Order the fractions from least to greatest</p> $\frac{1}{2}, \frac{2}{3}, \frac{1}{4}, \frac{2}{5}$	



Week Four



Problem	Work & Answer
Round each to the nearest hundredth: a.) 2.359 b.) 0.145 <i>May Do</i>	
a.) How many feet are in 3 miles? b.) How many inches are in 1 yard?	
Create a line plot that shows the following data of the amount of rain in inches over the course of a week: $\frac{1}{2}, \frac{3}{4}, \frac{1}{8}, \frac{1}{4}, \frac{2}{4}, \frac{4}{8}, \frac{2}{8}$	
Find the perimeter and area of the following figure. 	
Use the number 555.55 to complete the following: a.) The digit in the ones place is _____ times as much as the digit in the tenths place. b.) The digit in the hundredths place is _____ times as much as the digit in the tenths place.	



Week Five

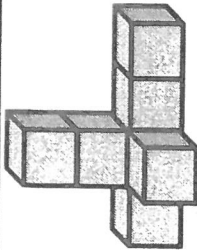


Problem	Work & Answer
Use a model to show $\frac{3}{4} \cdot \frac{1}{2}$	
a.) $\frac{5}{12} - \frac{1}{12}$ b.) $6 - \frac{3}{5}$	
Draw a triangle that is neither equilateral or isosceles. <i>May Do</i>	
Estimate first and then solve. a.) $94.71 - 62.3$ b.) $24.56 + 11.94$	
If you tripled the number of sides of a pentagon, how many sides would the new figure have?	



Week Six



Problem	Work & Answer
<p>a.) $\frac{4}{7} \cdot \frac{3}{8}$</p> <p>b.) $2\frac{1}{5} \cdot \frac{10}{12}$</p>	
<p>Write the following expressions:</p> <p>a.) Multiply twelve and four, then add forty-seven.</p> <p>b.) Add thirty-five to the product of eight and six.</p>	
<p>An apple pie was cut into one eighth pieces. If Michael's family ate one fourth of the total pie, how slices were left? (Hint: Draw a picture)</p>	
<p>Solve the following:</p> <p>a.) 6.543×10^2</p> <p>b.) 6.543×10^3</p> <p>c.) Describe the pattern you see.</p>	
<p>Measure the volume by counting the unit cubes.</p> 	

Week Seven

Problem	Work & Answer
A board 8ft. 4in. long is cut into four pieces of equal length. How long is each piece?	
Write the following in standard number form: a.) Three and thirty-eight hundredths b.) Sixty-five and seven hundredths	
Find the unknown a.) $1\frac{2}{7} - ? = \frac{6}{7}$ b.) $\frac{1}{2} + ? = \frac{11}{12}$	
Sam and Sally were knitting scarves for a winter clothing drive. Sam had completed $6\frac{3}{5}$ scarves while Sally had finished $8\frac{1}{4}$ scarves. How many more scarves did Sally complete?	
Write the following in word form: a.) 17.80 b.) 2.16	



Week Eight



Problem	Work & Answer
<p>Find the space inside the refrigerator that is six feet tall, three feet wide and four feet deep.</p> <p><i>Amount of</i></p>	
<p>Place grouping symbols to make the equations below true. <i>→ (parentheses)</i></p> <p>a.) $9 \times 34 + 8 \div 6 = 63$</p> <p>b.) $13 + 12 - 7 \div 3 \times 5 = 30$</p>	
<p>Compare using $<$, $>$, or $=$</p> <p>$3,164 \times 6$ \bigcirc $2,839 \times 7$</p>	
<p>a.) $5\frac{5}{6} - 3\frac{1}{4}$</p> <p>b.) $6\frac{2}{3} + 2\frac{1}{5}$</p>	
<p>Compare using $<$, $>$ or $=$:</p> <p>a.) 0.240 \bigcirc 0.42</p> <p>b.) 5.6 \bigcirc 5.39</p>	

Week Nine

Problem	Work & Answer								
a.) 54×22 b.) 67×33									
A cookie recipe calls for $2\frac{1}{3}$ cups of flour. If you want to double the recipe, how much flour will you need?									
The chart shows the drop in temperature as the evening approaches. If the pattern continues, what temperature will it be at 8:00pm? <table><tr><th>Time</th><td>3:00pm</td><td>4:00pm</td><td>5:00pm</td></tr><tr><th>Temperature</th><td>38°F</td><td>34°F</td><td>30°F</td></tr></table>	Time	3:00pm	4:00pm	5:00pm	Temperature	38°F	34°F	30°F	
Time	3:00pm	4:00pm	5:00pm						
Temperature	38°F	34°F	30°F						
Add. Write your answer in simplest form. $\frac{2}{3} + \frac{1}{4} + \frac{5}{6}$									
Round each number to the nearest thousandth place. a.) 572.6824 b.) 375.9375 May Do									



Week Ten



Problem	Work & Answer
<p>Write each number below in standard form.</p> <p>a.) $(3 \times 1) + (2 \times \frac{1}{10}) + (8 \times \frac{1}{100})$</p> <p>b.) $(4 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$</p>	
<p>a.) How many yards are in 6 miles.</p> <p>b.) How many inches are in 4 yards.</p>	
<p>Name each shape located at the given points.</p> <p>a.) (1,5)</p> <p>b.) (3,7)</p> <p>c.) (5,4)</p>	
<p>Order the following numbers from least to greatest.</p> <p>1.781, 0.788, 1.807, 0.87, 0.807</p>	
<p>Circle the expression that is equivalent to the following, then solve the correct expression.</p> <p>$\frac{1}{4}$ of $\frac{2}{5}$</p>	<p>a.) $\frac{2}{5} \div 4$ b.) $\frac{1}{4} \times \frac{2}{5}$ c.) $\frac{1}{4} + \frac{2}{5}$</p>