



Week One

6TH



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 <input type="radio"/> 0.0245 b.) 24.500 <input type="radio"/> 24.5 c.) 20.405 <input type="radio"/> 20.45	
Write the following in expanded form: a.) 0.234 b.) 14.78	
Divide: a.) $2,936 \div 4$ b.) $14,783 \div 12$	

a.) 985.76 b.) 43.52 c.) 0.859

Week Three

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

Week Four

Problem	Work & Answer
Round each the nearest hundredth: a.) 2.359 b.) 0.145	
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: $\begin{array}{ccccccc} \frac{1}{2} & \frac{3}{4} & \frac{1}{4} & \frac{1}{4} & \frac{1}{2} & \frac{2}{4} & \frac{2}{8} \\ 2' & 4' & 8' & 4' & 4' & 8' & 8' \end{array}$	
Find the perimeter and area of the following figure. <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center; margin-right: 10px;">4ft</div> <div style="border: 1px solid black; width: 50px; height: 30px;"></div> <div style="text-align: center; margin-left: 10px;">14ft</div> </div>	
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

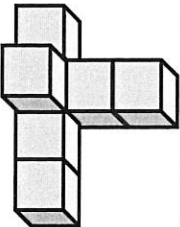


Problem	Work & Answer
Use a model to show $\frac{3}{4} \cdot \frac{1}{2}$	
a.) $\frac{5}{12} - \frac{1}{12}$ b.) $6 - \frac{3}{5}$	
Draw a triangle that is neither equilateral or isosceles.	
Estimate first and then solve. a.) $94.71 - 62.3$ b.) $24.56 + 11.94$	
If you tripled the number of sides of a 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>Place grouping symbols to make the equations below true.</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>$3,164 \times 6$ <input type="text"/> $2,839 \times 7$</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 <input type="text"/> 0.42</p> <p>b.) 5.6 <input type="text"/> 5.39</p>	

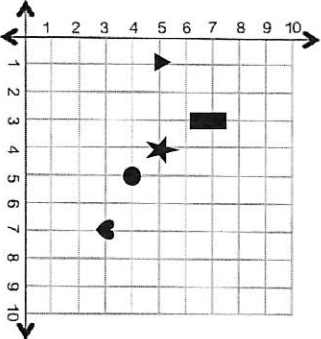
Week Nine

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><td>Time</td><td>3:00pm</td><td>4:00pm</td><td>5:00pm</td></tr><tr><td>Temperature</td><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									



Week Ten



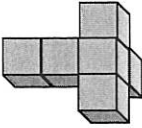
Problem	Work & Answer
<p>Write each number below in standard form.</p> <p>a.) $(3 \times 1) + (2 \times \frac{1}{10}) + (8 \times \frac{1}{100})$</p> <p>b.) $(4 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$</p> <p>a.) How many yards are in 6 miles.</p> <p>b.) How many inches 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>

Name: _____

6th Grade Summer Math Quiz



Complete the following problems. Show your work using the extra work space page.

1.) Write in standard form: Seventeen and twenty-five hundredths.	2.) Solve for the unknown fraction: $1\frac{9}{10} - ? = \frac{1}{5}$	3.) Measure the volume of the figure: 
4.) Simplify the expression: $\{[(27 - 11) + (36 \div 4)] \div 5\}$	5.) Estimate then solve: $56.17 - 39.28$	6.) Multiply (use a model if necessary). $\frac{3}{4} \times \frac{1}{6}$
7.) Use the number 11.111 to complete the following: The digit in the tenths place is _____ times as much as the digit in the hundredths place.	8.) Round to the nearest tenth. 13.758	9.) Find the product. 17.1×2.22
10.) If you doubled the sides of an octagon, how many sides does the new figure have?	11.) Find the quotient. $5,076 \div 12$	12.) A large sheet cake measures 2ft 6in. If the cake is cut into twelve pieces, what is the size of each piece?
13.) Add. $86.7 + 19.34$	14.) Subtract: $5\frac{1}{3} - 2\frac{3}{4}$	15.) Write in expanded form 0.658

6th Grade Summer Math Quiz Work Space

Use this space to show your work (if necessary) for each problem.

1.)	2.)	3.)
4.)	5.)	6.)
7.)	8.)	9.)
10.)	11.)	12.)
13.)	14.)	15.)