



# Week One

6<sup>TH</sup>




| Problem   | Work & Answer |
|---|---------------|
| List the factors of each number.<br>a.) 24<br>b.) 64  |               |
| Fill in the missing number:<br>a.) $0.24 - .128 = ?$<br>b.) $94.19 + 2.6 + \underline{\quad} = 161.29$  |               |
| Compare using $<$ , $>$ , or $=$<br>a.) $0.245$ <input type="radio"/> $0.0245$<br>b.) $24.500$ <input type="radio"/> $24.5$<br>c.) $20.405$ <input type="radio"/> $20.45$ |               |
| Write the following in expanded form:<br>a.) 0.234<br>b.) 14.78   |               |
| Divide:<br>a.) $2,936 \div 4$<br>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:<br>a.) $(6 \times 3) + 72 \div 8 - 5 + 1$<br>b.) $3 \times \{[(65-49) + (42 \div 7)] \div 2\}$ |               |
| Order the following from least to greatest:<br>0.25, 2.205, 0.502, 0.225, 2.025   |               |
| Find the <b>product</b> of each of the following:<br>a.) $2.85 \bullet 29$<br>b.) $\$1.55 \bullet 13$<br>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<br>$\frac{1}{2}, \frac{2}{3}, \frac{1}{4}, \frac{2}{5}$  |               |

# Week Four

| Problem   | Work & Answer |
|---|---------------|
| Round each the nearest hundredth:<br>a.) 2.359<br>b.) 0.145   |               |
| a.) How many feet are in 3 miles?<br>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:<br>$\frac{1}{2}, \frac{3}{4}, \frac{1}{8}, \frac{1}{4}, \frac{1}{4}, \frac{2}{4}, \frac{2}{8}$  |               |
| Find the perimeter and area of the following figure.<br>   |               |
| Use the number <b>555.55</b> to complete the following:<br>a.) The digit in the ones place is _____ times as much as the digit in the tenths place.<br>b.) The digit in the hundredths place is _____ times as much as the digit in the tenths place. |               |



# Week Five

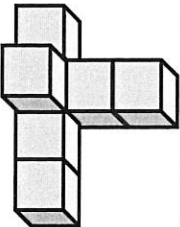


| Problem   | Work & Answer |
|---|---------------|
| Use a model to show<br>$\frac{3}{4} \cdot \frac{1}{2}$                                      |               |
| a.) $\frac{5}{12} - \frac{1}{12}$<br>b.) $6 - \frac{3}{5}$                                  |               |
| Draw a triangle that is neither equilateral or isosceles.                                   |               |
| Estimate first and then solve.<br>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.) <math>\frac{4}{7} \cdot \frac{3}{8}</math></p> <p>b.) <math>2\frac{1}{5} \cdot \frac{10}{12}</math></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.) <math>6.543 \times 10^2</math></p> <p>b.) <math>6.543 \times 10^3</math></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:<br>a.) Three and thirty-eight hundredths<br>b.) Sixty-five and seven hundredths   |               |
| Find the unknown<br>a.) $1\frac{2}{7} - ? = \frac{6}{7}$<br>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:<br>a.) 17.80<br>b.) 2.16   |               |

# Week Eight

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



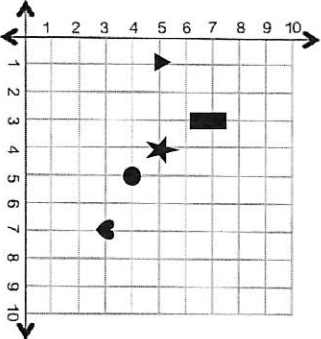
# Week Nine

| Problem  | Work & Answer |        |        |        |             |      |      |      |  |
|--|---------------|--------|--------|--------|-------------|------|------|------|--|
| a.) $54 \times 22$<br>b.) $67 \times 33$   |               |        |        |        |             |      |      |      |  |
| A cookie recipe calls for $2\frac{1}{3}$ cups of flour.<br>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.<br>$\frac{2}{3} + \frac{1}{4} + \frac{5}{6}$  |               |        |        |        |             |      |      |      |  |
| Round each number to the nearest thousandth place.<br>a.) 572.6824<br>b.) 375.9375   |               |        |        |        |             |      |      |      |  |



# Week Ten



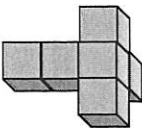
| Problem  | Work & Answer   |
|--|---|
| <p>Write each number below in standard form.</p> <p>a.) <math>(3 \times 1) + (2 \times \frac{1}{10}) + (8 \times \frac{1}{100})</math></p> <p>b.) <math>(4 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (9 \times \frac{1}{1000})</math></p> <p>a.) How many yards 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><math>\frac{1}{4}</math> of <math>\frac{2}{5}</math></p>   | <p>a.) <math>\frac{2}{5} \div 4</math>      b.) <math>\frac{1}{4} \times \frac{2}{5}</math>      c.) <math>\frac{1}{4} + \frac{2}{5}</math></p> |

Name: \_\_\_\_\_

# 6<sup>th</sup> Grade Summer Math Quiz



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

|  |  |  |
|--|--|--|
| 1.) Write in standard form:<br>Seventeen and twenty-five hundredths.   | 2.) Solve for the unknown fraction:<br>$1\frac{9}{10} - ? = \frac{1}{5}$ | 3.) Measure the volume of the figure:<br> |
| 4.) Simplify the expression:<br>$\{[(27 - 11) + (36 \div 4)] \div 5\}$   | 5.) Estimate then solve:<br>$56.17 - 39.28$                              | 6.) Multiply (use a model if necessary). $\frac{3}{4} \times \frac{1}{6}$  |
| 7.) Use the number <b>11.111</b> 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.<br>13.758                                | 9.) Find the product.<br>$17.1 \times 2.22$  |
| 10.) If you doubled the sides of an octagon, how many sides does the new figure have?  | 11.) Find the quotient.<br>$5,076 \div 12$                               | 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<br>0.658   |

# 6<sup>th</sup> 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.) |
|      |      |      |