



Week One

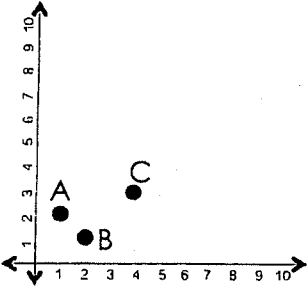


Problem	Work & Answer
List the factors of each number. a.) 24 b.) 64	a.) 24: 1, 2, 3, 4, 6, 8, 12, 24 b.) 64: 1, 2, 4, 8, 16, 32, 64
Fill in the missing number. a.) $0.24 - .128 = ?$ b.) $94.19 + 2.6 + \underline{?} = 161.29$	a.) 0.112 b.) 64.5
Compare using $<$, $>$, or $=$ a.) $0.245 \bigcirc 0.0245$ b.) $24.500 \bigcirc 24.5$ c.) $20.405 \bigcirc 20.45$	a.) $>$ b.) $=$ c.) $<$
Write the following in expanded form: a.) 0.234 b.) 14.78	a.) $(2 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (4 \times \frac{1}{1,000})$ b.) $(1 \times 10) + (4 \times 1) + (7 \times \frac{1}{10}) + (8 \times \frac{1}{100})$
Divide: a.) $2,936 \div 4$ b.) $14,783 \div 12$	a.) 734 b.) 1,231 R 11



Week Two



Problem	Work & Answer
<p>List the next four terms in the sequences with the given rule:</p> <p>a.) Start at 0, add three b.) Start at 0, add six c.) What is the relationship between the two sequences?</p>	<p>a.) 0, 3, 6, 9 b.) 0, 6, 12, 18 c.) The second sequence is double the matching terms in the first sequence.</p>
<p>Multiply:</p> <p>a.) 23.5×6 b.) 2.35×0.6 c.) 235.0×0.06</p>	<p>a.) 141 b.) 1.41 c.) 14.1</p>
<p>Name each ordered pair.</p> 	<p>A (1, 2) B (2, 1) C (4, 3)</p>
<p>Find each sum: a.) $\frac{1}{2} + \frac{1}{4}$ b.) $\frac{1}{4} + \frac{1}{3} + 3\frac{7}{12}$</p>	<p>a.) $\frac{3}{4}$ b.) $3\frac{14}{12} = 4\frac{1}{6}$</p>
<p>Round each number to the nearest tenth: a.) 985.76 b.) 43.52 c.) 0.859</p>	<p>a.) 985.80 b.) 43.50 c.) 0.900</p>



Week Three

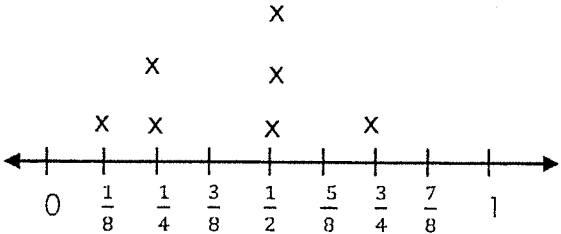
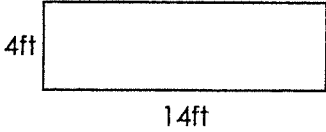


Problem	Work & Answer
Use the order of operations to simplify each expression: a.) $(6 \times 3) + 72 \div 8 - 5 + 1$ b.) $3 \times \{[(65-49) + (42 \div 7)] \div 2\}$	a.) 23 b.) 33
Order the following from least to greatest: 0.25, 2.205, 0.502, 0.225, 2.025	0.225, 0.25, 0.502, 2.025, 2.205
Find the product of each of the following: a.) $2.85 \cdot 29$ b.) $\$1.55 \cdot 13$ c.) $1.2 \cdot 2.1$	a.) 82.65 b.) \$20.15 c.) 2.52
If you bought 3 CD's each costing \$12.99, and paid with a \$50 bill. What would your change be?	Total cost of the three CDs is \$38.97 The change will be: \$11.03
Order the fractions from least to greatest $\frac{1}{2}, \frac{2}{3}, \frac{1}{4}, \frac{2}{5}$	 $\frac{1}{4}, \frac{2}{5}, \frac{1}{2}, \frac{2}{3}$



Week Four

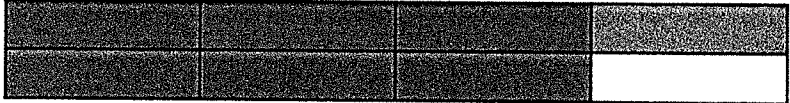
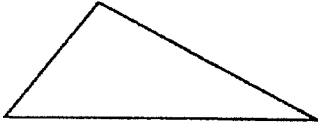


Problem	Work & Answer
Round each the nearest hundredth: a.) 2.359 b.) 0.145	a.) 2.360 b.) 0.150
a.) How many feet are in 3 miles? b.) How many inches are in 1 yard?	a.) 15,840 feet b.) 36 inches
Create a line plot that shows the following data of the amount of rain in inches over the course of a week: $\frac{1}{2}, \frac{3}{4}, \frac{1}{8}, \frac{1}{4}, \frac{2}{4}, \frac{4}{8}, \frac{2}{8}$	
Find the perimeter and area of the following figure. 	Perimeter = 36ft Area = 56ft ²
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.	a.) 10 b.) $\frac{1}{10}$



Week Five

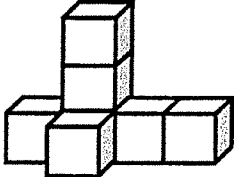


Problem	Work & Answer
Use a model to show $\frac{3}{4} \cdot \frac{1}{2}$	 <p>(3 columns are shaded red, one half is shaded blue, where they overlap is the purple and shows the answer: $\frac{3}{8}$)</p>
a.) $\frac{5}{12} - \frac{1}{12}$ b.) $6 - \frac{3}{5}$	a.) $\frac{1}{3}$ b.) $5\frac{2}{5}$
Draw a triangle that is neither equilateral or isosceles.	Scalene Triangle 
Estimate first and then solve. a.) $94.71 - 62.3$ b.) $24.56 + 11.94$	a.) Estimation: 33 Actual: 32.41 b.) Estimation: 37 Actual: 36.5
If you tripled the number of sides of a pentagon, how many sides would the new figure have?	15 sides



Week Six



Problem	Work & Answer
a.) $\frac{4}{7} \cdot \frac{3}{8}$ b.) $2\frac{1}{5} \cdot \frac{10}{12}$	a.) $\frac{3}{14}$ b.) $1\frac{5}{6}$
Write the following expressions: a.) Multiply twelve and four, then add forty-seven. b.) Add thirty-five to the product of eight and six.	a.) $(12 \times 4) + 47$ b.) $35 + (8 \times 6)$
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)	There were 6 slices left.
Solve the following: a.) 6.543×10^2 b.) 6.543×10^3 c.) Describe the pattern you see.	a.) 654.3 b.) 6,543 c.) The exponent tells you the number of times to move the decimal point to the right.
Measure the volume by counting the unit cubes. 	Volume = 7 units cubed



Week Seven



Problem	Work & Answer
A board 8ft. 4in. long is cut into four pieces of equal length. How long is each piece?	Each piece is 25 inches or 2feet 1 inch long
Write the following in standard number form: a.) Three and thirty-eight hundredths b.) Sixty-five and seven hundredths	a.) 3.38 b.) 65.07
Find the unknown a.) $1\frac{2}{7} - ? = \frac{6}{7}$ b.) $\frac{1}{2} + ? = \frac{11}{12}$	a.) $\frac{3}{7}$ b.) $\frac{5}{12}$
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?	Sally completed one full scarf more than Sam. ($1\frac{13}{20}$)
Write the following in word form: a.) 17.80 b.) 2.16	a.) Seventeen and eighty hundredths b.) Two and sixteen hundredths



Week Eight



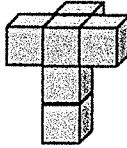
Problem	Work & Answer
Find the space inside the refrigerator that is six feet tall, three feet wide and four feet deep.	72 feet ³
Place grouping symbols to make the equations below true. a.) $9 \times 34 + 8 \div 6 = 63$ b.) $13 + 12 - 7 \div 3 \times 5 = 30$	a.) $9 \times [(34 + 8) \div 6] = 63$ b.) $[13 + (12 - 7)] \div 3 \times 5 = 30$
Compare using $<$, $>$, or $=$ $3,164 \times 6$ <input type="radio"/> $2,839 \times 7$	$3,164 \times 6$ $2,839 \times 7$ $18,984$ <input checked="" type="radio"/> $19,873$
a.) $5\frac{5}{8} - 3\frac{1}{4}$ b.) $6\frac{2}{3} + 2\frac{1}{5}$	a.) $2\frac{7}{12}$ b.) $8\frac{13}{15}$
Compare using $<$, $>$ or $=$: a.) 0.240 <input type="radio"/> 0.42 b.) 5.6 <input type="radio"/> 5.39	a.) 0.240 <input checked="" type="radio"/> 0.42 b.) 5.6 <input checked="" type="radio"/> 5.39

Name: Answer Key

6th Grade Summer Math Quiz



Complete the following problems.

<p>1.) Write in standard form: Seventeen and twenty-five hundredths.</p> <p style="text-align: center;">17.25</p>	<p>2.) Solve for the unknown fraction:</p> $1\frac{9}{10} - ? = \frac{1}{5}$ $1\frac{7}{10}$	<p>3.) Measure the volume of the figure: 6 cubed units</p> 
<p>4.) Simplify the expression: {[(27 - 11) + (36 ÷ 4)] ÷ 5}</p> <p style="text-align: center;">5</p>	<p>5.) Estimate then solve: 56.17 - 39.28 Estimate: 17 Actual: 16.89</p>	<p>6.) Multiply (use a model if necessary). $\frac{3}{4} \times \frac{1}{6}$</p> <p style="text-align: center;">$\frac{1}{8}$</p>
<p>7.) Use the number 11.111 to complete the following: <i>The digit in the tenths place is <u>ten</u> times as much as the digit in the hundredths place.</i></p>	<p>8.) Round to the nearest tenth. 13.758</p> <p style="text-align: center;">13.8</p>	<p>9.) Find the product. 17.1 x 2.22</p> <p style="text-align: center;">37.962</p>
<p>10.) If you doubled the sides of an octagon, how many sides does the new figure have?</p> <p style="text-align: center;">16 sides</p>	<p>11.) Find the quotient. 5,076 ÷ 12</p> <p style="text-align: center;">423</p>	<p>12.) A large sheet cake measures 2ft 6in. If the cake is cut into twelve pieces, what is the size of each piece?</p> <p style="text-align: center;">2 ½ inches</p>
<p>13.) Add. 86.7 + 19.34</p> <p style="text-align: center;">106.04</p>	<p>14.) Subtract: $5\frac{1}{3} - 2\frac{3}{4}$</p> $2\frac{7}{12}$	<p>15.) Write in expanded form 0.658</p> $(6 \times \frac{1}{10}) + (5 \times \frac{1}{100}) + (8 \times \frac{1}{1000})$