

## Summer Math Practice

Preparing for



# Math 6

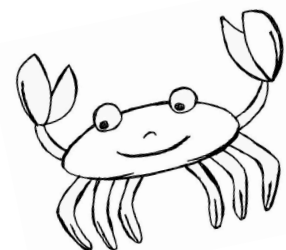


These problems are meant to prepare you to be successful in 6th-grade math next year. The packet is designed so that you can practice a variety of problems each week.

It is recommended that you complete only one page of the packet each week so that you are able to keep your brain fresh from now until August! Remember to *show all of your work* in the space provided below the problem. Please complete all work without the use of calculators.



You may email  
Mrs. Tenery ([ktenery@fwc.org](mailto:ktenery@fwc.org))  
for any other summer math needs.



☀️ I look forward to working with you in the fall! ☀️

Student Name \_\_\_\_\_

Name \_\_\_\_\_

## Students are expected to know the following:

### Multiplication tables for 1-12

x	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

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### Measurement Conversions

1 week = 7 days	1 pint = 2 cups
1 day = 24 hours	8 ounces = 1 cup
1 hour = 60 minutes	16 ounces = 1 pound
1 minute = 60 seconds	1 yard = 3 feet
1 gallon = 4 quarts	1 foot = 12 inches
1 quart = 2 pints	1 dollar = 100 cents

### Vocabulary

**Evaluate** - to calculate the value of an expression

**Simplify** - to reduce an expression to its simplest form (fewest number of terms possible)

**Solve** - to find a value for the variable that makes an equation true

**Expression** - numbers, symbols, and operations (+, -, ÷, x) grouped together (*can be evaluated/simplified*)

**Equation** - uses an *equal sign* to show two expressions are equal to the same value (*can be solved*)

**Product** - the answer when two or more values are multiplied together

**Quotient** - the answer in a division problem

**Sum** - the result of adding two or more numbers

**Difference** - the result of subtracting two or more numbers

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# Week 1



<p>Find the product. Show your work.</p> $238 \times 53$	<p>Round to the nearest TENTHS place:</p> $21,456.432$	<p>Order the numbers from least to greatest.</p> $6.86, 6.8, 7, 6.9, 6.827$
<p>Find the Greatest Common Factor between the two numbers:</p> $22 \text{ and } 55$	<p>Compare each pair of numbers by writing <math>&lt;</math>, <math>&gt;</math>, or <math>=</math> in the provided circle.</p> $9.52 \bigcirc 90.13$	<p>Find the sum.</p> $452 + 389$
<p>Write the following in standard form.</p> $100 + 2 + 0.09$	<p>Evaluate the following:</p> $14 - 8 + 32$	<p>Find the quotient.</p> $744 \div 6$

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# Week 2



<p>Find the sum. <math>8.74 + 10.36</math></p>	<p>Find the product. <math>600 \times 14</math></p>	<p>Sarah and her 3 friends split a bag of candy evenly. They each ate 13 pieces of candy, and there were 2 pieces left over. How many pieces of candy were originally in the bag?</p>
<p>Convert the following measurement. <math>32 \text{ pints} = \underline{\hspace{2cm}} \text{ gallons}</math></p>	<p>Find the quotient. <math>396 \div 24</math></p>	<p>Find the Least Common Multiple (LCM) between the numbers: <b>5 and 25</b></p>
<p>Tanya bought 3 new sweaters for Christmas. Each sold for \$19.99. How much did she spend? Show your work.</p>	<p>Round to the nearest HUNDREDS place: <b>44,690.45</b></p>	<p>Find the sum. Show your work. <math>\frac{7}{8} + \frac{5}{6}</math></p>

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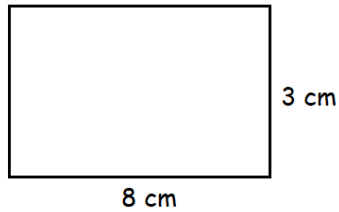
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# Week 3



Find the area and the perimeter.



Compare each pair of numbers by writing  $<$ ,  $>$ , or  $=$  in the provided circle.

$$7.256 \bigcirc 7.24$$

Find the quotient.

$$16.8 \div 12$$

Round to the nearest THOUSANDS place:  
15,988.35

Evaluate the following:  
 $(48 - 6) \div 7 + 8$

Write the following in standard and expanded form.

Two thousand nine and thirty-five thousandths

Find the sum.

$$\frac{3}{11} + \frac{2}{3}$$

Ryan spent \$3.25 on lunch every day, Monday through Friday. If he had \$20.00 at the start of the week, how much money did he have left after Friday?

Find the product.

$$756 \times 30$$

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# Week 4

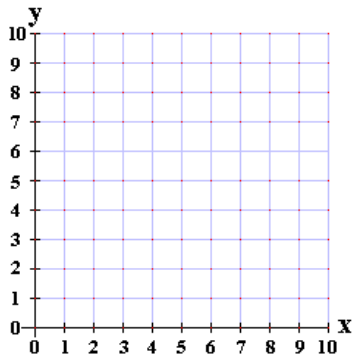


Evaluate the following.  
 $10^5$

Mrs. Kleim bought 5 boxes of 15 pencils to give to her students. If she has 26 students in her class, how many pencils can she give each student? How many pencils will she have left over? Show your work on this problem.

Find the quotient.  
 $876 \div 2$

Graph the following points on the coordinate plane.  
 $(0, 3)$ ,  $(2, 2)$ ,  $(5, 0)$



Write the following in standard form.  
 $900 + 10 + 4 + 0.3 + 0.02$

Find the product.  
 $220 \times 15$

Find the difference.  
 $14.76 - 9.8$

Evaluate the following:  
 $3 \cdot 7 - 5$

Find the Greatest Common Factor between the two numbers:  
20 and 24

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# Week 5



<p>Find the difference. Show your work.</p> $\frac{3}{4} - \frac{5}{8}$	<p>Find the quotient.</p> $2418 \div 6$	<p>Round to the nearest TENTHS place:</p> $117,316.983$
<p>Three friends went out to lunch. The bill came to \$47.31. If they split the bill evenly, how much money does each friend owe?</p>	<p>Find the product.</p> $19 \times 863$	<p>Simplify the following.</p> $36 - 9 \times 2$
<p>Compare each pair of numbers by writing <math>&lt;</math>, <math>&gt;</math>, or <math>=</math> in the provided circle.</p> $32.9 \bigcirc 32.90$	<p>Find the quotient.</p> $6 \div \frac{1}{3}$	<p>Find the sum.</p> $24.1 + 3.74$

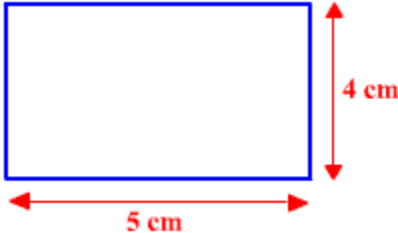
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# Week 6



<p>Convert the following measurement.</p> <p>48 inches = _____ feet</p>	<p>Write the following in expanded form.</p> <p>3.962</p>	<p>Evaluate the following.</p> <p><math>10^3</math></p>
<p>Find the difference.</p> <p><math>67 - 14.06</math></p>	<p>Order the numbers from least to greatest.</p> <p>12.03, 1.2, 12.3, 1.203, 12.301</p>	<p>Find the sum.</p> <p><math>\frac{7}{8} + \frac{5}{12}</math></p>
<p>Find the quotient.</p> <p><math>8911 \div 45</math></p>	<p>Find the area and the perimeter.</p>  <p>A rectangle with a blue border. The length is labeled as 5 cm and the width is labeled as 4 cm.</p>	<p>Find the product.</p> <p><math>8.9 \times 2.5</math></p>



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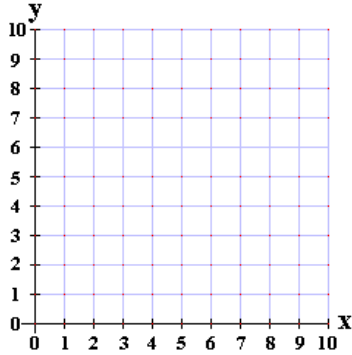


# Week 7



Graph the following points on the coordinate plane.

$(8, 0)$ ,  $(4, 6)$ ,  $(2, 7)$



Find the product.

$$188 \times 73$$

Find the quotient.

$$\frac{1}{4} \div 2$$

Round to the nearest HUNDRETHS place:

74,922.304

Jacque ran  $1\frac{1}{2}$  miles on Monday, Wednesday, and Friday and  $\frac{3}{4}$  mile on Tuesday and Thursday. How far did she run in all?

Simplify the following.

$$14 - (3 \times 4)$$

Find the Greatest Common Factor between the two numbers:

45 and 48

Find the sum.

$$4\frac{2}{3} + 2\frac{3}{4}$$

Find the product.

$$\frac{1}{5} \times \frac{2}{3}$$

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# Week 8



<p>Write the following in expanded form. 8,770.06</p>	<p>Circle the prime numbers, and box the composite numbers.</p> <p>14 5 9 22 1 3 18</p> <p>33 7 2 16 29 13</p>	<p>Convert the following measurement.</p> <p>6 pints = _____ cups</p>
<p>Find the sum. <math>622.86 + 53.49</math></p>	<p>Find the quotient. <math>4516 \div 22</math></p>	<p>Find the Least Common Multiple (LCM) between the following numbers: 6 and 18</p>
<p>Compare each pair of numbers by writing <math>&lt;</math>, <math>&gt;</math>, or <math>=</math> in the provided circle.</p> <p>0.02 ○ 0.006</p>	<p>Tyrell gave 3 packs of baseball cards to his friends. He gave each friend <math>\frac{1}{3}</math> of a pack. How many friends have baseball cards?</p>	<p>Round to the nearest TENTHS place: 823.059</p>

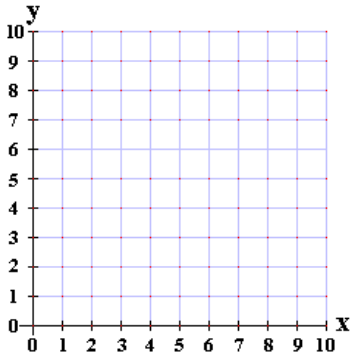
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# Week 9



<p>Missy's Muffins caters breakfast events. One Saturday morning, they made 2,244 muffins and packaged them into boxes of a dozen. How many boxes of muffins did Missy's Muffins make?</p>	<p>Write the following in standard and expanded form.</p> <p>Five thousand six hundred eighty-five and twelve hundredths</p>	<p>Find the product.</p> $2.91 \times 0.5$
<p>Find the Least Common Multiple (LCM) between the numbers: 3 and 12</p>	<p>Round to the nearest HUNDRETHS place: 51,339.209</p>	<p>Graph the following points on the coordinate plane. (7, 3), (4, 8), (0, 9)</p> 
<p>Find the product.</p> $\frac{1}{6} \times \frac{3}{4}$	<p>Find the quotient.</p> $5200 \div 65$	<p>Evaluate the following:</p> $8 + (21 \div 3) - 5$

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# Week 10



<p>Find the product.</p> $102 \times 11$	<p>Round to the nearest tenth.</p> $406.732$	<p>Convert the following measurement.</p> $8 \text{ cups} = \underline{\hspace{2cm}} \text{ ounces}$
<p>Evaluate the following.</p> $10^5$	<p>Find the Greatest Common Factor between the two numbers: 10 and 15</p>	<p>Find the difference.</p> $12\frac{4}{5} - 9\frac{1}{10}$
<p>Convert the following measurement.</p> $32 \text{ ounces} = \underline{\hspace{2cm}} \text{ pounds}$	<p>Compare each pair of numbers by writing <math>&lt;</math>, <math>&gt;</math>, or <math>=</math> in the provided circle.</p> $2.776 \bigcirc 2.767$	<p>Find the quotient.</p> $1065 \div 15$

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