

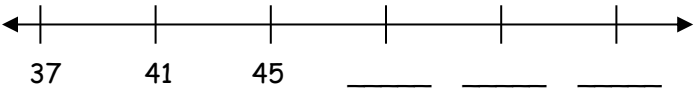
### 4<sup>th</sup> Grade Summer Mathematics Review #1

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

<p>1. There are six boxes of crayons. Each box contains 24 crayons. How many crayons are there in all?</p>	<p>2. What is the rule for this function machine?</p> <p style="text-align: center;">_____</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: black; color: white;"> <th style="padding: 2px;">IN</th> <th style="padding: 2px;">OUT</th> </tr> </thead> <tbody> <tr><td style="padding: 2px;">1</td><td style="padding: 2px;">5</td></tr> <tr><td style="padding: 2px;">2</td><td style="padding: 2px;">9</td></tr> <tr><td style="padding: 2px;">4</td><td style="padding: 2px;">17</td></tr> <tr><td style="padding: 2px;">6</td><td style="padding: 2px;">25</td></tr> <tr><td style="padding: 2px;">10</td><td style="padding: 2px;">41</td></tr> </tbody> </table>	IN	OUT	1	5	2	9	4	17	6	25	10	41
IN	OUT												
1	5												
2	9												
4	17												
6	25												
10	41												
<p>3. List all of the factors of each number.</p> <p>24: _____</p> <p>32: _____</p> <p>What is the Greatest Common Factor (GCF) of 24 and 32? _____</p>	<p>4. Draw an example of an angle.</p>												
<p>5. A family hiked 2.16 miles on the first day of their hiking trip, 3.07 miles the second, and 4.89 miles on the third day. How many miles did they hike in all?</p>	<p>6. Solve.</p> $\frac{\quad}{12} = \frac{1}{4}$												
<p>7. What is the product? _____</p> $58 \times 89$	<p>8. Subtract.</p> $1.16 - 0.78 =$												
<p>9. Illustrate each:</p> <p>a. intersection of two lines</p> <p>b. parallel lines</p> <p>c. perpendicular lines</p>	<p>10. Perryville Metro can carry up to 15 people every ten minutes. What is the maximum number of people it can carry in a two-hour period?</p>												

4<sup>th</sup> Grade Summer Mathematics Review #2

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

<p>1. Round to the nearest ten thousand.</p> <p style="text-align: center;">5,483,978</p> <p style="text-align: center;">_____</p>	<p>2. Write the missing numbers.</p> 
<p>3. Identify the statement that represents the fraction <math>\frac{3}{12}</math>.</p> <p>A. 3 minus 12 B. 3 divided by 12 C. 12 divided by 3</p>	<p>4. Solve:</p> <p style="text-align: center;"><math>6,003 - 768 = \underline{\hspace{2cm}}</math></p>
<p>5. If 144 crayons are shared equally among 12 friends, how many crayons will each friend get?</p>	<p>6. What number would complete the equation?</p> <p style="text-align: center;"><math>10 + 8 = \underline{\hspace{1cm}} \div 2</math></p>
<p>7. Write the following number in word form:</p> <p style="text-align: center;">2,805, 730</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>8. Andy wants to buy a new paint set that costs \$27.95. He has 2 ten-dollar bills, 1 five-dollar bill, 1 one-dollar bill, 3 quarters, 10 dimes, and 3 pennies.</p> <p>Does he have enough money to buy the paint set? _____</p> <p>How much change will he receive <b>OR</b> how much more money does he need? _____</p>
<p>9. Write an equivalent fraction for each fraction below. Then write the original fractions in order from least to greatest.</p> <p style="text-align: center;"><math>\frac{3}{4} = \underline{\hspace{1cm}}</math>     <math>\frac{5}{8} = \underline{\hspace{1cm}}</math>     <math>\frac{1}{2} = \underline{\hspace{1cm}}</math></p>	<p>10. I am thinking of two numbers. If you add them you get 15, multiply them you get 36, subtract them you get 9, and divide them you get 4. What are the two numbers?</p>


### 4<sup>th</sup> Grade Summer Mathematics Review #3

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

<p>1. What is the value of the underlined digit?</p> <p style="text-align: center; margin-top: 20px;"><u>6</u>78,342</p>	<p>2. Complete the pattern.</p> <p style="text-align: center; margin-top: 20px;">1, 1, 2, 3, 5, _____, _____, _____</p>																					
<p>3. Solve.</p> <p style="text-align: center; margin-top: 20px;"><math>\frac{5}{12} + \frac{1}{3} =</math></p>	<p>4.</p> <p style="text-align: center; margin-top: 10px;">2,745.045</p> <p>a. What digit is in the thousands place? _____</p> <p>b. What digit is in the tenths place? _____</p>																					
<p>5. Put the fractions in order from least to greatest.</p> <p style="text-align: center; margin-top: 20px;"><math>\frac{3}{4}</math>   <math>\frac{1}{3}</math>   <math>\frac{1}{2}</math>   <math>\frac{5}{12}</math></p> <p style="text-align: center; margin-top: 20px;">_____, _____, _____, _____</p>	<p>6. Six children will share a bag of candy containing 29 pieces. About how many pieces of candy will each child get?</p>																					
<p>7. Complete the table.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tbody> <tr> <td style="padding: 5px;">9</td> <td style="padding: 5px;">5</td> <td style="padding: 5px;">15</td> <td style="padding: 5px;">8</td> <td style="padding: 5px;">11</td> <td style="padding: 5px;">13</td> <td style="padding: 5px;">100</td> </tr> <tr> <td style="padding: 5px;">↓</td> <td style="padding: 5px;">↓</td> <td style="padding: 5px;">↓</td> <td style="padding: 5px;">↓</td> <td style="padding: 5px;">↓</td> <td style="padding: 5px;">↓</td> <td style="padding: 5px;">↓</td> </tr> <tr> <td style="padding: 5px;">45</td> <td style="padding: 5px;">25</td> <td style="padding: 5px;">75</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> </tbody> </table> <p style="margin-top: 10px;">What is the function rule?</p>	9	5	15	8	11	13	100	↓	↓	↓	↓	↓	↓	↓	45	25	75					<p>8. What fraction can you add to <math>\frac{4}{7}</math> to get a sum of one?</p>
9	5	15	8	11	13	100																
↓	↓	↓	↓	↓	↓	↓																
45	25	75																				
<p>9. Solve.</p> <p style="text-align: center; margin-top: 20px;">12,468 + 3,406 = _____</p>	<p>10. Write <b>four</b> equivalent fractions for <math>\frac{1}{3}</math>.</p>																					

### 4<sup>th</sup> Grade Summer Mathematics Review #4

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

<p>1. Jessica drew this pattern:</p> <p style="text-align: center;">  </p> <p>If she made 6 rows of this pattern, how many circles did she draw?</p>	<p>2. Draw a line segment and label it JR.</p>
<p>3. Cindy saw a newspaper advertisement for King's Cold Cuts. She decided to buy 0.50 lb. of turkey for \$1.70 and 0.74 lb. of cheese for \$2.55. How many pounds of food did she buy?</p>	<p>4. Estimate. Show how you rounded the numbers.</p> $  \begin{array}{r}  3172 \\  + 5496 \\  \hline  \end{array}  $
<p>5. Write these fractions as decimals.</p> <p>a. <math>\frac{3}{10} = \underline{\hspace{2cm}}</math></p> <p>b. <math>\frac{26}{100} = \underline{\hspace{2cm}}</math></p>	<p>6. Write two statements that are true about BOTH cubes and rectangular prisms.</p>
<p>7. Solve.</p> $0.75 + 0.07 =$	<p>8.</p> <p>a. Write an equivalent fraction for <math>\frac{2}{5}</math> <math>\underline{\hspace{2cm}}</math></p> <p>b. Write a decimal equivalent to <math>\frac{1}{4}</math> <math>\underline{\hspace{2cm}}</math></p>
<p>9. Solve.</p> $\frac{3}{4} = \frac{?}{12}$	<p>10. Complete the pattern.</p> <p style="text-align: center;">1, 8, 3, 10, 5, 12, <u>    </u>, <u>    </u>, <u>    </u>, <u>    </u></p> <p style="text-align: center;">Explain the pattern.</p>

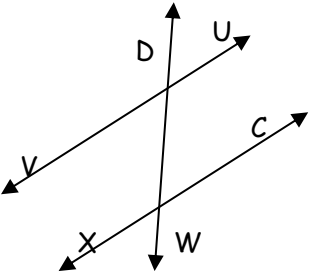
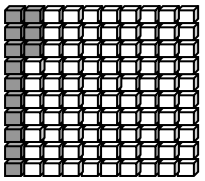
### 4<sup>th</sup> Grade Summer Mathematics Review #5

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

<p>1. A theater sold 819 tickets for 3 performances of a play. The same number of people saw each show. How many people saw the first two performances of the play?</p>	<p>2. Write an equivalent fraction for each.</p> <p>a. <math>\frac{1}{5} = \underline{\quad}</math>                      b. <math>\frac{2}{4} = \underline{\quad}</math></p> <p style="padding-left: 100px;">c. <math>\frac{3}{8} = \underline{\quad}</math></p>																
<p>3. <u>School Populations</u>            476 students – Washington School            237 students – Jefferson School            384 students – Beethoven School            593 students – Mozart School</p> <p>a. How many students attend the three most populated schools?</p> <p>b. How many students attended the least populated school?</p>	<p>4. Round to the nearest hundredth.</p> <p style="text-align: center;">847.964</p> <p style="text-align: center;">_____</p>																
<p>5. Draw two line segments parallel to each other. Label your line segments.</p>	<p>6. Complete and describe the pattern.</p> <p style="text-align: center;">3, 7, 6, 5, 9, 8, 7, 11, _____, _____, 13</p>																
<p>7. Bill has 29 pencils to share fairly with 6 friends. How many pencils will each friend receive?</p>	<p>8. Follow the function rule to complete the table.</p> <div style="text-align: center; margin-bottom: 10px;"> </div> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <tbody> <tr> <td style="padding: 5px;"><b>IN</b></td> <td style="padding: 5px;">12</td> <td style="padding: 5px;">8</td> <td style="padding: 5px;">16</td> <td style="padding: 5px;">24</td> <td style="padding: 5px;">20</td> <td style="padding: 5px;">32</td> <td style="padding: 5px;">36</td> </tr> <tr> <td style="padding: 5px;"><b>OUT</b></td> <td style="padding: 5px;"> </td> <td style="padding: 5px;"> </td> <td style="padding: 5px;"> </td> <td style="padding: 5px;"> </td> <td style="padding: 5px;"> </td> <td style="padding: 5px;"> </td> <td style="padding: 5px;"> </td> </tr> </tbody> </table>	<b>IN</b>	12	8	16	24	20	32	36	<b>OUT</b>							
<b>IN</b>	12	8	16	24	20	32	36										
<b>OUT</b>																	
<p>9. Fill in the missing numbers.</p> <div style="text-align: center; margin-top: 20px;"> </div>	<p>10. Round 12.572 to the nearest tenth.</p>																

### 4<sup>th</sup> Grade Summer Mathematics Review #6

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

<p>1. Kyle ran the race in 9.24 seconds. Joel ran the race in 9.45 seconds. Who won, and by how much?</p>	<p>2. Name the parallel lines in this figure.</p> <div style="text-align: center;">  </div>
<p>3. Madeline has \$0.63 in quarters, dimes, nickels, and pennies. She has 9 coins in all. What are they?</p>	<p>4. Write the decimal equivalent.</p> <p>a. <math>\frac{1}{2} = \underline{\hspace{2cm}}</math> (decimal)</p> <p>b. <math>\frac{6}{100} = \underline{\hspace{2cm}}</math> (decimal)</p>
<p>5. Write the decimal represented on the decimal square. _____</p> <div style="text-align: center;">  </div>	<p>6. A car can travel 25 miles on a gallon of gas. How many miles can it travel with 15 gallons of gas?</p>
<p>7. Fill in the missing numbers. Describe the pattern.</p> <p style="text-align: center;">3, 6, 9, _____, 15, 18</p>	<p>8. Write 3 numbers that come between 8,140 and 8,150.</p>
<p>9. Round each decimal</p> <p>1.45 to the nearest tenth _____</p> <p>3.807 to the nearest hundredth _____</p> <p>6.873 to the nearest whole _____</p>	<p>10. Solve.</p> <p style="text-align: center;">0.78 + 1.2 = _____</p>



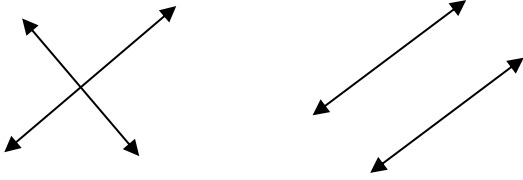
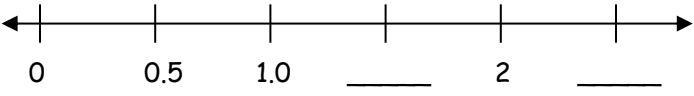
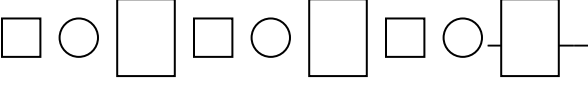
### 4<sup>th</sup> Grade Summer Mathematics Review #7

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

<p>1. <b>Estimate</b> the sum. Explain.</p> <p style="margin-left: 40px;"><math>376 + 2094 + 96 =</math></p>	<p>2. Mr. Myer's dog pen measures 15 feet by 22 feet. How many square feet are in the dog pen?</p>
<p>3. Jasmine ran 120 miles. Tyrone ran 30 miles. How many times more miles did Jasmine run than Tyrone?</p>	<p>4. What is the Least Common Multiple (LCM) of 12 and 5?</p>
<p>5. If 59 students want to go on a rafting trip, and each raft holds 6 people, how many rafts will be needed?</p>	<p>6. How are lines and line segments different?</p>
<p>7. Compare. Use <math>&gt;</math>, <math>&lt;</math>, or <math>=</math>.</p> <p style="text-align: center; margin-left: 40px;"> <math>\frac{5}{9}</math>        <math>\frac{2}{3}</math> </p> <p style="margin-left: 40px;">Which fraction is larger?</p>	<p>8. There are 12 baseball teams competing in the tournament. Each team has 9 baseball players. How many players are there altogether?</p>
<p>9. Solve.</p> <p style="margin-left: 40px;"><math>4,685 - 194 =</math></p>	<p>10. Which expression would NOT make the equation true?</p> <p style="margin-left: 40px;"><math>8 \times 6 =</math> _____</p> <p style="margin-left: 40px;">A. <math>3 \times 14</math></p> <p style="margin-left: 40px;">B. <math>12 \times 4</math></p> <p style="margin-left: 40px;">C. <math>16 \times 3</math></p>

4<sup>th</sup> Grade Summer Mathematics Review #8

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

<p>1. Shade <math>\frac{1}{4}</math> of the rectangle.</p> 	<p>2. Write the decimal.</p>  <p>a. _____      b. _____</p>
<p>3. Write as a decimal: seventeen and forty-one thousandths</p> <p>_____</p>	<p>4. A fourth-grade class of 27 students at Tuckahoe Elementary is going on a field trip to the museum. Each car will take 5 students. How many cars are needed?</p>
<p>5. Circle the picture that shows perpendicular lines.</p>  <p><b>A</b>                      <b>B</b></p>	<p>6. Estimate by rounding to the nearest hundred. Show your work.</p> <p style="text-align: center;"><math>12,846 - 3,467</math></p>
<p>7. Compare. Use <math>&gt;</math>, <math>&lt;</math>, or <math>=</math>.</p> <p>A. 0.61                  B. 0.7</p> <p>a. Which decimal is larger? _____</p> <p>b. How much larger is it? _____</p>	<p>8. Write the missing numbers on the number line.</p> 
<p>9. In one week, a grocery store sold 12,587 gallons of milk. How much more is this than the 3,509 gallons that were sold in another store?</p>	<p>10. Extend and describe the pattern.</p> 



### Fourth Grade Mathematics Summer Review ANSWER KEY

Review #1		Review #5	
1. 144 crayons	2. Times 2, plus 1	1. 546 people	2. 2/10, 4/8, 6/16
3. 24:1,24,2,12,3,8,4,6 32: 1,32,2,16,4,8	4. Check student work	3. a. 1,452 b. 237	4. 847.96
5. 10.12. miles	6. 3	5. Check student work	6. 10, 9
7. 5,162	8. 0.38	7. 4 pencils	8. 3, 2, 4, 6, 5, 8, 9
9. Check student work	10. 180 people	9. 560, 580, 600	10. 12.6
Review #2		Review #6	
1. 5,480,000	2. 49, 53, 57	1. Kyle, 0.21	2. VU and XC
3. B	4. 5,235	3. Q, D, D, N, N, N, P, P, P	4. 0.5, 0.06
5. 12 crayons	6. 36	5. 0.13	6. 375 miles
7. Two million, eight hundred five thousand, seven hundred thirty	8. He only has \$27.78; he needs \$0.17 more	7. 12; increasing by 3	8. Any # between 8,141 – 8,149
9. 6/8, 10/16, 4/8; 1/2, 5/8, 3/4	10. 12 and 3	9. 1.5, 3.81. 7	10. 198
Review #3		Review #7	
1. 70,000	2. 8, 13, 21	1. $400 + 2,000 + 100 = 2,500$ ; check student work	2. 330 square feet
3. $9/12 = 3/4$	4. a. 2 b. 0	3. 4	4. 60
5. 1/3, 5/12, 1/2, 3/4	6. 4 pieces	5. 10	6. Check student work
7. 40, 55, 65, 500; multiplied by 5	8. 3/7	7. <	8. 108 players
9. 15,874	10. 2/6, 3/9, 4/12, 5/15	9. 4,491	10. $3 \times 14$
Review #4		Review #8	
1. 12 circles	2. Check student work	1. Check student work	2. 0.35, 0.04
3. 1.24 lbs.	4. $3,000 + 5,500 = 8,500$	3. 17.041	4. 6
5. 0.3, 0.26	6. Check student work	5. A	6. $12,800 - 3,500 = 9,300$
7. 0.82	8. 4/10, 0.25	7. B is larger; 0.09	8. 1.5, 2.5
9. 9	10. 7, 14, 9, 16, 11	9. 9,078	10. Check student work