

# OCS FIFTH GRADE



## MATH PACKET



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

**Instructions:** Complete this review packet at your own pace this summer. Include your calculations when any computation is involved. You must finish the packet in time for the start of 5<sup>th</sup> grade. All of the problems are intended to review mixed skills through fourth grade.

**Due on the first day of 5<sup>th</sup> grade**

# Summer Requirements

We know that summer is often a time for vacations and family; however, it is also important for students to maintain and practice skills learned in school. For this reason, we are asking all incoming fifth graders to complete a math review packet to review basic concepts learned in previous grades. It will be due the first day of school. A time management schedule is suggested throughout the summer so that the student does not rush to complete all of the work in the last week. This is not intended to be a burden, but rather to keep the students' math skills as sharp as they were in the spring come early fall.

If students are unsure of any concepts or would like some extra practice, you can visit the following websites for assistance:

<https://learnzillion.com>

<http://www.ck12.org/>

<https://www.mathabc.com/>


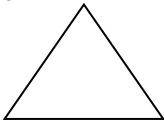
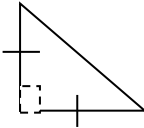
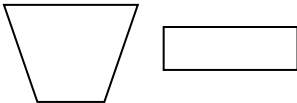

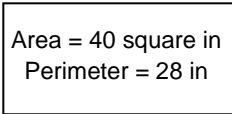
<http://www.ixl.com/math/grade-4>

<https://www.khanacademy.org/math/cc-fourth-grade-math>

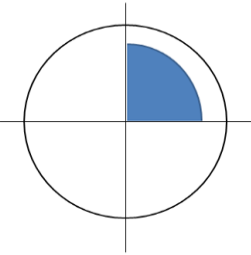
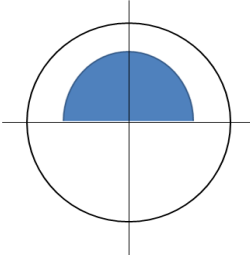
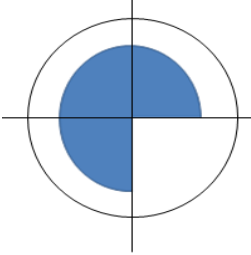
[http://www.softschools.com/ccss/4th\\_grade\\_math\\_common\\_core\\_test\\_prep/](http://www.softschools.com/ccss/4th_grade_math_common_core_test_prep/)

Coming to school prepared is essential so that we are ready to jump into more challenging and exciting problem solving when we return to school!

<p>What is the VALUE of the underlined digit?</p> <p>1,2<u>8</u>4,590    <u>4</u>,384,488</p>	<p>Write 1,000,678 in each form.</p> <p><b>Word:</b></p> <p><b>Expanded:</b></p>	<p>Round 7,548,392 to the nearest...</p> <p>100:</p> <p>1,000:</p> <p>10,000:</p>	<p>Compare the numbers using &gt;, &lt;, or =.</p> <p>4,389,005 ____ 4,389,500</p> <p>4,233,495 ____ 4,233,495</p>																																										
58,439 – 53,897	483,985 + 28,498	27,005 – 18,126	985,498 + 487,595																																										
8,209 ÷ 4	375 x 74	6,594 ÷ 6	2,744 x 8																																										
<p>On the first day of December, 34,789 people went to the mall. On the second day 63,587 people went to the mall. How many people went to the mall over the two days?</p>	<p>At the beginning of the month, Lily has \$4,578. By the end of the month, she only has \$947 left over. How much money did she spend?</p>	<p>There are 25 boxes of paper. Each box has 789 pieces of paper. How many pieces of paper are there in all?</p>	<p>During a 3 day event a total of 7,458 people attended. If the same number of people attended each day, how many people attended on one day?</p>																																										
<p>Cassie has 2 boxes of markers. The first box is 7/10 full, and the second box is 6/10 full. How many total boxes of markers does Cassie have?</p>	$\begin{array}{r} 10\frac{9}{12} \\ + 13\frac{9}{12} \\ \hline \end{array}$ $\begin{array}{r} 7\frac{2}{5} \\ - 2\frac{3}{5} \\ \hline \end{array}$	<p>Dan drank 7/8 of a bottle of water during basketball practice. He then drank another 4/8 of a bottle after practice. How much water did he drink altogether?</p>	$\begin{array}{r} 5\frac{7}{9} \\ + 4\frac{5}{9} \\ \hline \end{array}$ $\begin{array}{r} 8\frac{2}{7} \\ - 3\frac{6}{7} \\ \hline \end{array}$																																										
$\frac{7}{8} \times 4 =$	<p>There are 3 cups. Each cup is 5/8 full of water. How many cups of water are there altogether?</p>	$7 \times \frac{3}{12} =$	<p>It takes Jose 1/8 of an hour every day to clean his room. What fraction of an hour does he spend cleaning his room over 4 days?</p>																																										
<p>Use &gt;, &lt;, or = to compare the decimals below?</p> <p>0.93 ____ 0.39</p> <p>0.9 ____ 0.09</p>	<p>Convert to a fraction:</p> <p>0.2 =</p> <p>0.7 =</p>	<p>Use &gt;, &lt;, or = to compare the decimals below.</p> <p>0.81 ____ 0.79</p> <p>0.17 ____ 0.33</p>	<p>Convert to a decimal:</p> $\frac{55}{100} =$ $\frac{31}{100} =$																																										
<p>Circle the answer that makes sense.</p> <p>How much does a cat weigh? 3 pounds or 3 ounces</p> <p>How long is a pencil? 19 centimeters or 19 meters</p> <p>How much water is in a fish tank? 40 liters or 40 milliliters</p>	<p>Fill in the missing numbers.</p> <table border="1"> <thead> <tr> <th colspan="2">Length Conversions</th> </tr> <tr> <th>inches</th> <th>feet</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>1</td> </tr> <tr> <td>24</td> <td></td> </tr> <tr> <td></td> <td>3</td> </tr> <tr> <td>48</td> <td></td> </tr> <tr> <td></td> <td>5</td> </tr> </tbody> </table>	Length Conversions		inches	feet	12	1	24			3	48			5	<p>Fill in the missing numbers.</p> <table border="1"> <thead> <tr> <th colspan="2">Time Conversions</th> </tr> <tr> <th>Seconds</th> <th>Minutes</th> </tr> </thead> <tbody> <tr> <td>60</td> <td>1</td> </tr> <tr> <td>120</td> <td></td> </tr> <tr> <td></td> <td>3</td> </tr> <tr> <td></td> <td>4</td> </tr> <tr> <td>300</td> <td></td> </tr> </tbody> </table>	Time Conversions		Seconds	Minutes	60	1	120			3		4	300		<p>Fill in the missing numbers.</p> <table border="1"> <thead> <tr> <th colspan="2">Capacity Conversions</th> </tr> <tr> <th>Milliliters</th> <th>Liters</th> </tr> </thead> <tbody> <tr> <td>1000</td> <td>1</td> </tr> <tr> <td>2000</td> <td>2</td> </tr> <tr> <td></td> <td>3</td> </tr> <tr> <td>4000</td> <td></td> </tr> <tr> <td></td> <td>5</td> </tr> </tbody> </table>	Capacity Conversions		Milliliters	Liters	1000	1	2000	2		3	4000			5
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$74,583 - 43,876$	$483,549 + 89,857$	$40,390 - 27,548$	$758,438 + 654,845$
$7,487 \div 8$	$577 \times 83$	$8,493 \div 9$	$5,485 \times 6$
Taylor Swift had 2 concerts in Atlanta, Georgia. On the first night, 78,456 people attended. On the second night 88,474 people attended. How many people attended her concert altogether?	Taylor Swift had 2 concerts in Atlanta, Georgia. On the first night, 78,456 people attended. On the second night 88,474 people attended. How many more people attended her concert on the second night than the first night?	There are 8 Pizza Huts in the city. Each day each one sells 7,498 pizzas. How many pizzas did they sell altogether?	There are 8 Pizza Huts in the city. Altogether they sold 5,376 pizzas yesterday. If each Pizza Hut sold the same number of pizzas, how many pizzas did each one sell?
There were $3\frac{2}{3}$ bags of wood by the fireplace. John used $1\frac{1}{3}$ bags of wood in the fire. How many bags of wood are left?	$\begin{array}{r} 17\frac{3}{7} \\ + 10\frac{4}{7} \\ \hline \end{array}$ $\begin{array}{r} 8\frac{8}{11} \\ - 3\frac{10}{11} \\ \hline \end{array}$	There were $5\frac{1}{3}$ jars of pickles. Ann and her friends ate $1\frac{1}{3}$ jar. How many jars of pickles are left?	$\begin{array}{r} 7\frac{5}{6} \\ + 5\frac{4}{6} \\ \hline \end{array}$ $\begin{array}{r} 5\frac{1}{9} \\ - 2\frac{5}{9} \\ \hline \end{array}$
Use $>$ , $<$ , or $=$ to compare the decimals below.  $0.45$ ____ $0.45$  $0.02$ ____ $0.1$	$\frac{2}{9} \times 6 =$	Convert to a decimal: $\frac{1}{10} =$ $\frac{64}{100} =$	For the end of year party, 5 groups of students were asked to each make a sign that was $\frac{2}{3}$ of a meter long. How long will the signs be altogether?
Label each angle in the figure acute, obtuse, or right.  	How many lines of symmetry does this triangle have?  	Name the triangle.  	Draw a line of symmetry through each polygon.  
Find the perimeter and area of the rectangle.  14 cm  32 cm	What are the side lengths of the rectangle?  	There are two large pieces of construction paper. The red piece has an area of $90 \text{ in}^2$ , while the blue piece is 12 inches long by 9 inches wide. Which paper is larger?	A room has an area of 60 square meters and a perimeter of 32 meters. What are the length and width of the room?

<p>What is the PLACE VALUE of the underlined digit?</p> <p><u>1</u>,284,590    4,3<u>84</u>,488</p>	<p>Write 7,308,549 in each form.</p> <p><b>Word:</b></p> <p><b>Expanded:</b></p>	<p>Round 3,570,200 to the nearest...</p> <p>100:</p> <p>1,000:</p> <p>10,000:</p>	<p>Compare the numbers using &gt;, &lt;, or =.</p> <p>8,493,509 ____ 8,493,509</p> <p>4,943,039 ____ 4,399,489</p>																
<p>84,390 – 18,493</p>	<p>43,489 + 444,398</p>	<p>27,849 – 19,957</p>	<p>847,599 + 58,049</p>																
<p>6,594 ÷ 7</p>	<p>876 x 48</p>	<p>1,483 ÷ 5</p>	<p>4,390 x 9</p>																
<p>The library had 32,765 books. This year 1,578 books were ruined, while 14,784 books were purchased. How many books are there now?</p>	<p>Every month, Kerry makes \$2,178. If she makes the same amount for 5 months, how much money will she have made?</p>	<p>Last year, the city of Lawrenceville had a population of 27,483. This year the population is 34,931. How many people moved to Lawrenceville this year?</p>	<p>In the cafeteria there are 283 bananas left and 7 classes who still need to eat. If each class shares the bananas equally, how many bananas will be left over?</p>																
<p>To get to work Don travels 6 <math>\frac{3}{8}</math> miles. To get to the grocery store, he travels only 4 <math>\frac{5}{8}</math> miles. How much further does Don have to travel to get to work than the grocery store?</p>	$\begin{array}{r} 2\frac{8}{13} \\ + 4\frac{9}{13} \\ \hline \end{array}$ $\begin{array}{r} 7\frac{1}{3} \\ - 2\frac{2}{3} \\ \hline \end{array}$	<p>Kristin ran 2 <math>\frac{1}{4}</math> miles, while Ann ran 3 <math>\frac{3}{4}</math> miles. How many miles did they run altogether?</p>	$\begin{array}{r} 4\frac{7}{10} \\ + 4\frac{4}{10} \\ \hline \end{array}$ $\begin{array}{r} 3\frac{4}{8} \\ - 1\frac{7}{8} \\ \hline \end{array}$																
<p>Use &gt;, &lt;, or = to compare the decimals below.</p> <p>0.08 ____ 0.80</p> <p>0.4 ____ 0.32</p>	<p><math>\frac{7}{10} \times 4 =</math></p>	<p>Convert to a fraction or decimal:</p> <p><math>\frac{4}{100} =</math>      <math>0.7 =</math></p> <p><math>\frac{3}{10} =</math>      <math>0.03 =</math></p>	<p>There are 6 bottles of water. Each bottle is <math>\frac{1}{2}</math> full. If you were to combine all the water, how many full bottles of water would there be?</p>																
<p>The data chart displays the length of different sized pieces of paper. Use the data to create a line plot.</p> <table border="1" data-bbox="84 1732 345 2001"> <thead> <tr> <th colspan="2">Paper Sizes</th> </tr> <tr> <th>size</th> <th># of pieces</th> </tr> </thead> <tbody> <tr> <td>1 <math>\frac{1}{4}</math> inches</td> <td>3</td> </tr> <tr> <td>1 <math>\frac{1}{2}</math> inches</td> <td>4</td> </tr> <tr> <td>1 <math>\frac{3}{4}</math> inches</td> <td>2</td> </tr> <tr> <td>2 <math>\frac{1}{8}</math> inches</td> <td>6</td> </tr> <tr> <td>2 <math>\frac{3}{8}</math> inches</td> <td>3</td> </tr> <tr> <td>3 <math>\frac{1}{2}</math> inches</td> <td>1</td> </tr> </tbody> </table>	Paper Sizes		size	# of pieces	1 $\frac{1}{4}$ inches	3	1 $\frac{1}{2}$ inches	4	1 $\frac{3}{4}$ inches	2	2 $\frac{1}{8}$ inches	6	2 $\frac{3}{8}$ inches	3	3 $\frac{1}{2}$ inches	1	$\begin{array}{cccccc} 1\frac{1}{4} & 1\frac{1}{2} & 1\frac{3}{4} & 2\frac{1}{8} & 2\frac{3}{8} & 3\frac{1}{2} \end{array}$	<p>How many pieces of paper measured less than 2 inches?</p> <p>How many pieces of paper measured more than 2 inches?</p>	<p>If you were to lay each piece of 1 <math>\frac{1}{2}</math> in. paper end to end, what would be the total length of all the pieces of paper?</p>
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$78,003 - 32,136$	$6,589 \div 8$	$734,839 + 788,958$	$865 \times 79$															
There are 950,038 species of insects in the world. Next year they expect to find 8,499 more species. How many will there be altogether?	Every week, Andrea travels 1,847 miles for her job. If she does this for 4 weeks, how many miles will she have traveled?	Madison has a budget of \$1,483 to spend this month. If she wants to split her money evenly over 4 weeks, how much can she spend each week?	A baker made 384 cupcakes for a wedding. The guests ate 299. How many cupcakes were left over?															
It took Stephanie $2\frac{1}{3}$ hours to travel to her Aunt's house, and then $1\frac{2}{3}$ hours to travel to her Grandma's house. How many total hours did Stephanie travel?	$\begin{array}{r} 3\frac{4}{5} \\ + 5\frac{3}{5} \\ \hline \end{array}$ $\begin{array}{r} 5\frac{1}{8} \\ - 3\frac{7}{8} \\ \hline \end{array}$	It takes Lisa $8\frac{1}{4}$ hours to get to her Aunt's house. It takes Lisa $5\frac{3}{4}$ hours to get to her Uncle's house. How much further does Lisa have to drive to get to her Aunt's house than her Uncle's house?	$\begin{array}{r} 3\frac{5}{7} \\ + 4\frac{6}{7} \\ \hline \end{array}$ $\begin{array}{r} 5\frac{5}{9} \\ - 2\frac{8}{9} \\ \hline \end{array}$															
Use $>$ , $<$ , or $=$ to compare the decimals below.  $0.76$ ____ $0.8$ $0.54$ ____ $0.29$	$\frac{4}{7} \times 5 =$	Convert to a fraction or a decimal:  $\frac{5}{100} =$ $0.43 =$	Every day Carla spends $\frac{2}{3}$ of an hour cleaning her room. How long will she spend cleaning her room in 4 days?															
The data chart displays the length of different sized stickers. Use the data to create a line plot.  <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <thead> <tr><th colspan="2">Paper Sizes</th></tr> <tr><th>size</th><th># of pieces</th></tr> </thead> <tbody> <tr><td>1/8 inch</td><td>2</td></tr> <tr><td>3/8 inch</td><td>4</td></tr> <tr><td>1/2 inch</td><td>1</td></tr> <tr><td>5/8 inches</td><td>3</td></tr> <tr><td>3/4 inches</td><td>5</td></tr> <tr><td>7/8 inches</td><td>2</td></tr> </tbody> </table>	Paper Sizes		size	# of pieces	1/8 inch	2	3/8 inch	4	1/2 inch	1	5/8 inches	3	3/4 inches	5	7/8 inches	2	<p>How many stickers measured less than <math>\frac{1}{2}</math> inch?</p> <p>How many pieces of paper measured more than <math>\frac{1}{2}</math> inch?</p>	If you were to add the length of all the $\frac{3}{8}$ pieces, what would be the total length?
Paper Sizes																		
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What is the measurement of the angle below?  	What is the measurement of the angle below?  	What is the measurement of the angle below?  	What is the measurement of the angle below?  