

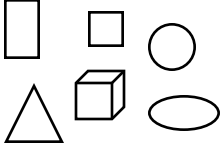
Dear Fifth Grade Parents,

Please have your child complete the calendar and turn it in on the first day of school. Each day has a quick activity for them to complete. These assignments need to be done in a **Black Marble Composition Book**. This will be their first composition book for Math class. Additionally, I included some addition, subtraction, multiplication and division speed tests. They should be given 5 minutes per test until they score a 100%. Then reduce the time to 3 minutes only. I have also included a multiplication chart. You are free to make as many copies as you would like. It will be a great benefit for them if they practice them often.


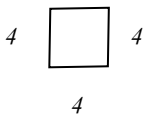
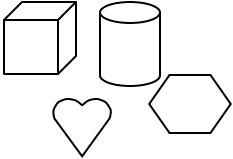
Have a great summer,  
Mrs. Moore

Directions: Complete each days assignment in a composition book. Worksheets are available on the school website. Make copies of the worksheets and use them as often as you like.

# Fifth Grade Summer Math

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	<p>Complete an addition speed test. Check your work.</p>	<p>Solve:</p> <ol style="list-style-type: none"> <li><math>324 + 400 =</math></li> <li><math>3,000 - 569 =</math></li> <li><math>3 \times 561 =</math></li> <li><math>16 - 4 =</math></li> </ol>	<p>Order from least to greatest:</p> <ol style="list-style-type: none"> <li>347, 398, 250</li> <li>845, 630, 786</li> <li>8,714, 8,764,</li> </ol>	<p>Skip- count the 4 times tables. Write it in your journal. (3,6,9,...)</p>	<p>Complete:</p> <p>10 mm = ___ cm.</p> <p>1 dm. = ___ cm.</p> <p>1000 m = ___ km.</p>	
	<p>What is the value of the underlined digit?</p> <ol style="list-style-type: none"> <li>6<u>4</u>    3)<u>7</u>9</li> <li>5<u>4</u>3    4) <u>1</u>,095</li> </ol>	<p>Name each picture.</p> 	<p>Complete a Subtraction speed test. Check your work.</p>	<p>Skip- count the three times tables. Write them in your journal.</p>	<p>Complete:</p> <ol style="list-style-type: none"> <li><math>623 - 25 =</math></li> <li><math>181 - 135 =</math></li> <li><math>4,777 - 2,698 =</math></li> <li><math>3,006 - 349 =</math></li> </ol>	
	<p>Complete a multiplication speed test. Check your work.</p>	<p>Sam has 547 marbles. He gives 30 to his friend Bob and 65 to his sister Judy. How many does he have left?</p>	<p>Complete:</p> <ol style="list-style-type: none"> <li><math>45 \times 5 =</math></li> <li><math>72 \times 3 =</math></li> <li><math>194 \times 7 =</math></li> </ol>	<p>Complete a division speed test. Check your work.</p>	<p>Complete the multiplication chart.</p>	
	<p>Bob and Mary collect pencils. Bob has 231 and Mary has 318. How many more does Mary have?</p>	<p>Complete:</p> <ol style="list-style-type: none"> <li><math>453 + 231 =</math></li> <li><math>904 + 865 =</math></li> <li><math>1,320 + 549 =</math></li> <li><math>438 + 302 =</math></li> </ol>	<p>Complete:</p> <ol style="list-style-type: none"> <li><math>1/2 + 3/2 =</math></li> <li><math>5/6 + 2/6 =</math></li> <li><math>2/12 + 6/12 =</math></li> <li><math>1 \frac{1}{2} + 2 \frac{1}{2} =</math></li> </ol>	<p>Complete an addition speed test. Check your work.</p>	<p>John has \$15.00 to spend at the store. He spends \$7.67. How much money will he have left?</p>	
	<p>Use &lt;, =, or &gt;.</p> <ol style="list-style-type: none"> <li>16 ○ 20</li> <li>74 ○ 63</li> <li>66 ○ 66</li> </ol>	<p>Solve:</p> <ol style="list-style-type: none"> <li><math>n + 6 = 16</math> <math>n =</math> ___</li> <li><math>9 \div n = 3</math> <math>n =</math> ___</li> </ol>	<p>Complete:</p> <ol style="list-style-type: none"> <li>12 in. = 1 ___</li> <li>3 feet = 1 ___</li> <li>2 cups = 1 ___</li> </ol>	<p>Divide:</p> <ol style="list-style-type: none"> <li><math>160 \div 8 =</math></li> <li><math>8,100 \div 9 =</math></li> <li><math>75 \div 5 =</math></li> </ol>	<p>Complete a subtraction speed test. Check your work.</p>	

Directions: Complete each days assignment in a black composition book.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	<p><i>Solve for the variable.</i></p> <p>1) <math>n + 4 = 9</math>            2) <math>17 - k = 12</math>            3) <math>50 - n = 30</math>            4) <math>X + 34 = 36</math></p>	<p><i>Solve:</i></p> <p>1) <math>3 \times 35 =</math>            2) <math>9 \times 24 =</math>            3) <math>13 \times 5 =</math>            4) <math>143 \times 7 =</math>            5) <math>7 \times 8,041 =</math></p>	<p><i>Solve:</i></p> <p>1) <math>240 \div 4 =</math>            2) <math>560 \div 80 =</math>            3) <math>2,100 \div 30 =</math>            4) <math>16,000 \div 200 =</math>            5) <math>64,000 \div 800 =</math></p>	<p><i>Park rangers are cutting 7 foot lengths of rope. How many lengths did they make with 85 feet of rope?</i></p>	<p><i>.Simplify:</i></p> <p>1) <math>(15 + 6) - 8 =</math>            2) <math>(7 \times 4) - 2 =</math>            3) <math>(9 + 8) - 5 =</math>            4) <math>(6 \times 2) - 3 =</math></p>	
	<p><i>Solve:</i></p> <p>1) <math>32,805 + 946,049 =</math>            2) <math>829 - 287 =</math>            3) <math>42,317 - 19,675 =</math>            4) <math>56,583 - 9,407 =</math></p>	<p><i>Complete a multiplication grid.</i></p>	<p><i>There are 12 inches in one foot. How many inches are in 7 feet?</i></p>	<p><i>There are 3 feet in one yard. How many feet are in 6 yards?</i></p>	<p><i>There are 2 cups in one pint. How many cups are in 4 pints?</i></p>	
	<p><i>Complete a division speed test.</i></p>	<p><i>Mary has 100 marbles and she wants to share them with her three friends. How many marbles will each person get?</i></p>	<p><i>Solve:</i></p> <p>1) <math>99 \times 6 =</math>            2) <math>73 \times 8 =</math>            3) <math>106 \times 9 =</math>            4) <math>563 \times 3 =</math></p>	<p><i>Complete an addition speed test.</i></p>	<p><i>Tommy wanted to sell his truck for \$7,000, but he sold it for \$5,400. How much money did he lose?</i></p>	
	<p><i>Sally spent \$ 4.16, \$6.95 and \$10.76. How much did Sally spend all together? If she had \$ 25.00, how much was her change?</i></p>	<p><i>Bobby has saved \$206.00 for a bike that costs \$319.00. How much more money does he need to save?</i></p>	<p><i>Complete a multiplication test.</i></p>	<p><i>Complete the pattern:</i></p> <p>☆☆☆ ☺☆☆☆            ☺☆☆ ☆☆            _____, _____</p>	<p><i>Complete a subtraction speed test.</i></p>	
	<p><i>There are 100 books and 8 shelves that hold 12 books on each. Will all the books fit on the bookshelf?</i></p>	<p><i>Draw pictures that show 1/2, 1/3, 1/5, 1/8, and 1/12. Example: 1/4</i></p> <p></p>	<p><i>What is the perimeter?</i></p> <p>4              4</p>	<p><i>Copy each diagram:</i></p> <p></p>	<p><i>For 240 people at a party, each eating 2 pieces of pizza, how many pieces do they need all together?</i></p>	



## One-Digit Addition; With Regrouping (S) Answers

$\begin{array}{r} 3 \\ + 9 \\ \hline 12 \end{array}$	$\begin{array}{r} 8 \\ + 4 \\ \hline 12 \end{array}$	$\begin{array}{r} 5 \\ + 2 \\ \hline 7 \end{array}$	$\begin{array}{r} 4 \\ + 4 \\ \hline 8 \end{array}$	$\begin{array}{r} 1 \\ + 6 \\ \hline 7 \end{array}$	$\begin{array}{r} 8 \\ + 2 \\ \hline 10 \end{array}$	$\begin{array}{r} 1 \\ + 6 \\ \hline 7 \end{array}$	$\begin{array}{r} 7 \\ + 8 \\ \hline 15 \end{array}$	$\begin{array}{r} 7 \\ + 6 \\ \hline 13 \end{array}$	$\begin{array}{r} 9 \\ + 5 \\ \hline 14 \end{array}$
$\begin{array}{r} 8 \\ + 4 \\ \hline 12 \end{array}$	$\begin{array}{r} 5 \\ + 3 \\ \hline 8 \end{array}$	$\begin{array}{r} 9 \\ + 4 \\ \hline 13 \end{array}$	$\begin{array}{r} 8 \\ + 1 \\ \hline 9 \end{array}$	$\begin{array}{r} 8 \\ + 5 \\ \hline 13 \end{array}$	$\begin{array}{r} 1 \\ + 6 \\ \hline 7 \end{array}$	$\begin{array}{r} 7 \\ + 2 \\ \hline 9 \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array}$	$\begin{array}{r} 5 \\ + 5 \\ \hline 10 \end{array}$	$\begin{array}{r} 7 \\ + 6 \\ \hline 13 \end{array}$
$\begin{array}{r} 1 \\ + 4 \\ \hline 5 \end{array}$	$\begin{array}{r} 1 \\ + 4 \\ \hline 5 \end{array}$	$\begin{array}{r} 8 \\ + 1 \\ \hline 9 \end{array}$	$\begin{array}{r} 4 \\ + 6 \\ \hline 10 \end{array}$	$\begin{array}{r} 6 \\ + 9 \\ \hline 15 \end{array}$	$\begin{array}{r} 8 \\ + 9 \\ \hline 17 \end{array}$	$\begin{array}{r} 7 \\ + 8 \\ \hline 15 \end{array}$	$\begin{array}{r} 4 \\ + 6 \\ \hline 10 \end{array}$	$\begin{array}{r} 9 \\ + 2 \\ \hline 11 \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$
$\begin{array}{r} 4 \\ + 3 \\ \hline 7 \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline 12 \end{array}$	$\begin{array}{r} 5 \\ + 1 \\ \hline 6 \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline 9 \end{array}$	$\begin{array}{r} 5 \\ + 3 \\ \hline 8 \end{array}$	$\begin{array}{r} 3 \\ + 8 \\ \hline 11 \end{array}$	$\begin{array}{r} 7 \\ + 9 \\ \hline 16 \end{array}$	$\begin{array}{r} 6 \\ + 1 \\ \hline 7 \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline 15 \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$
$\begin{array}{r} 9 \\ + 8 \\ \hline 17 \end{array}$	$\begin{array}{r} 1 \\ + 9 \\ \hline 10 \end{array}$	$\begin{array}{r} 9 \\ + 9 \\ \hline 18 \end{array}$	$\begin{array}{r} 4 \\ + 8 \\ \hline 12 \end{array}$	$\begin{array}{r} 3 \\ + 3 \\ \hline 6 \end{array}$	$\begin{array}{r} 9 \\ + 8 \\ \hline 17 \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array}$	$\begin{array}{r} 1 \\ + 4 \\ \hline 5 \end{array}$	$\begin{array}{r} 2 \\ + 4 \\ \hline 6 \end{array}$
$\begin{array}{r} 1 \\ + 9 \\ \hline 10 \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline 12 \end{array}$	$\begin{array}{r} 9 \\ + 3 \\ \hline 12 \end{array}$	$\begin{array}{r} 9 \\ + 4 \\ \hline 13 \end{array}$	$\begin{array}{r} 9 \\ + 5 \\ \hline 14 \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline 9 \end{array}$	$\begin{array}{r} 1 \\ + 8 \\ \hline 9 \end{array}$	$\begin{array}{r} 8 \\ + 8 \\ \hline 16 \end{array}$	$\begin{array}{r} 3 \\ + 8 \\ \hline 11 \end{array}$	$\begin{array}{r} 6 \\ + 2 \\ \hline 8 \end{array}$
$\begin{array}{r} 6 \\ + 8 \\ \hline 14 \end{array}$	$\begin{array}{r} 2 \\ + 4 \\ \hline 6 \end{array}$	$\begin{array}{r} 8 \\ + 6 \\ \hline 14 \end{array}$	$\begin{array}{r} 6 \\ + 5 \\ \hline 11 \end{array}$	$\begin{array}{r} 5 \\ + 8 \\ \hline 13 \end{array}$	$\begin{array}{r} 7 \\ + 3 \\ \hline 10 \end{array}$	$\begin{array}{r} 8 \\ + 8 \\ \hline 16 \end{array}$	$\begin{array}{r} 7 \\ + 5 \\ \hline 12 \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array}$	$\begin{array}{r} 7 \\ + 8 \\ \hline 15 \end{array}$
$\begin{array}{r} 7 \\ + 1 \\ \hline 8 \end{array}$	$\begin{array}{r} 3 \\ + 8 \\ \hline 11 \end{array}$	$\begin{array}{r} 1 \\ + 3 \\ \hline 4 \end{array}$	$\begin{array}{r} 8 \\ + 6 \\ \hline 14 \end{array}$	$\begin{array}{r} 1 \\ + 3 \\ \hline 4 \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array}$	$\begin{array}{r} 4 \\ + 1 \\ \hline 5 \end{array}$	$\begin{array}{r} 1 \\ + 9 \\ \hline 10 \end{array}$	$\begin{array}{r} 3 \\ + 4 \\ \hline 7 \end{array}$	$\begin{array}{r} 7 \\ + 1 \\ \hline 8 \end{array}$
$\begin{array}{r} 6 \\ + 8 \\ \hline 14 \end{array}$	$\begin{array}{r} 6 \\ + 4 \\ \hline 10 \end{array}$	$\begin{array}{r} 3 \\ + 4 \\ \hline 7 \end{array}$	$\begin{array}{r} 4 \\ + 5 \\ \hline 9 \end{array}$	$\begin{array}{r} 6 \\ + 1 \\ \hline 7 \end{array}$	$\begin{array}{r} 1 \\ + 9 \\ \hline 10 \end{array}$	$\begin{array}{r} 5 \\ + 4 \\ \hline 9 \end{array}$	$\begin{array}{r} 9 \\ + 2 \\ \hline 11 \end{array}$	$\begin{array}{r} 3 \\ + 6 \\ \hline 9 \end{array}$	$\begin{array}{r} 1 \\ + 2 \\ \hline 3 \end{array}$
$\begin{array}{r} 4 \\ + 8 \\ \hline 12 \end{array}$	$\begin{array}{r} 9 \\ + 8 \\ \hline 17 \end{array}$	$\begin{array}{r} 3 \\ + 1 \\ \hline 4 \end{array}$	$\begin{array}{r} 2 \\ + 8 \\ \hline 10 \end{array}$	$\begin{array}{r} 7 \\ + 8 \\ \hline 15 \end{array}$	$\begin{array}{r} 1 \\ + 3 \\ \hline 4 \end{array}$	$\begin{array}{r} 2 \\ + 4 \\ \hline 6 \end{array}$	$\begin{array}{r} 7 \\ + 5 \\ \hline 12 \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$	$\begin{array}{r} 5 \\ + 4 \\ \hline 9 \end{array}$



## Subtraction Facts to 18 (K) Answers

$\begin{array}{r} 9 \\ - 9 \\ \hline 0 \end{array}$	$\begin{array}{r} 10 \\ - 9 \\ \hline 1 \end{array}$	$\begin{array}{r} 14 \\ - 6 \\ \hline 8 \end{array}$	$\begin{array}{r} 7 \\ - 0 \\ \hline 7 \end{array}$	$\begin{array}{r} 14 \\ - 8 \\ \hline 6 \end{array}$	$\begin{array}{r} 12 \\ - 9 \\ \hline 3 \end{array}$	$\begin{array}{r} 8 \\ - 2 \\ \hline 6 \end{array}$	$\begin{array}{r} 17 \\ - 9 \\ \hline 8 \end{array}$	$\begin{array}{r} 11 \\ - 2 \\ \hline 9 \end{array}$	$\begin{array}{r} 10 \\ - 4 \\ \hline 6 \end{array}$
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$\begin{array}{r} 8 \\ - 6 \\ \hline 2 \end{array}$	$\begin{array}{r} 17 \\ - 8 \\ \hline 9 \end{array}$	$\begin{array}{r} 14 \\ - 6 \\ \hline 8 \end{array}$	$\begin{array}{r} 9 \\ - 4 \\ \hline 5 \end{array}$	$\begin{array}{r} 16 \\ - 7 \\ \hline 9 \end{array}$	$\begin{array}{r} 11 \\ - 6 \\ \hline 5 \end{array}$	$\begin{array}{r} 8 \\ - 1 \\ \hline 7 \end{array}$	$\begin{array}{r} 12 \\ - 8 \\ \hline 4 \end{array}$	$\begin{array}{r} 11 \\ - 3 \\ \hline 8 \end{array}$	$\begin{array}{r} 7 \\ - 2 \\ \hline 5 \end{array}$
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$\begin{array}{r} 8 \\ - 3 \\ \hline 5 \end{array}$	$\begin{array}{r} 13 \\ - 8 \\ \hline 5 \end{array}$	$\begin{array}{r} 16 \\ - 7 \\ \hline 9 \end{array}$	$\begin{array}{r} 9 \\ - 2 \\ \hline 7 \end{array}$	$\begin{array}{r} 6 \\ - 6 \\ \hline 0 \end{array}$	$\begin{array}{r} 11 \\ - 2 \\ \hline 9 \end{array}$	$\begin{array}{r} 14 \\ - 5 \\ \hline 9 \end{array}$	$\begin{array}{r} 12 \\ - 8 \\ \hline 4 \end{array}$	$\begin{array}{r} 3 \\ - 1 \\ \hline 2 \end{array}$	$\begin{array}{r} 5 \\ - 1 \\ \hline 4 \end{array}$
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$\begin{array}{r} 15 \\ - 7 \\ \hline 8 \end{array}$	$\begin{array}{r} 16 \\ - 8 \\ \hline 8 \end{array}$	$\begin{array}{r} 9 \\ - 7 \\ \hline 2 \end{array}$	$\begin{array}{r} 9 \\ - 2 \\ \hline 7 \end{array}$	$\begin{array}{r} 8 \\ - 0 \\ \hline 8 \end{array}$	$\begin{array}{r} 4 \\ - 1 \\ \hline 3 \end{array}$	$\begin{array}{r} 4 \\ - 1 \\ \hline 3 \end{array}$	$\begin{array}{r} 13 \\ - 9 \\ \hline 4 \end{array}$	$\begin{array}{r} 8 \\ - 5 \\ \hline 3 \end{array}$	$\begin{array}{r} 15 \\ - 7 \\ \hline 8 \end{array}$
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$\begin{array}{r} 3 \\ - 2 \\ \hline 1 \end{array}$	$\begin{array}{r} 6 \\ - 1 \\ \hline 5 \end{array}$	$\begin{array}{r} 16 \\ - 7 \\ \hline 9 \end{array}$	$\begin{array}{r} 7 \\ - 5 \\ \hline 2 \end{array}$	$\begin{array}{r} 3 \\ - 0 \\ \hline 3 \end{array}$	$\begin{array}{r} 0 \\ - 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 16 \\ - 9 \\ \hline 7 \end{array}$	$\begin{array}{r} 11 \\ - 6 \\ \hline 5 \end{array}$	$\begin{array}{r} 3 \\ - 1 \\ \hline 2 \end{array}$	$\begin{array}{r} 12 \\ - 8 \\ \hline 4 \end{array}$
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$\begin{array}{r} 10 \\ - 3 \\ \hline 7 \end{array}$	$\begin{array}{r} 8 \\ - 0 \\ \hline 8 \end{array}$	$\begin{array}{r} 14 \\ - 5 \\ \hline 9 \end{array}$	$\begin{array}{r} 9 \\ - 1 \\ \hline 8 \end{array}$	$\begin{array}{r} 6 \\ - 6 \\ \hline 0 \end{array}$	$\begin{array}{r} 8 \\ - 8 \\ \hline 0 \end{array}$	$\begin{array}{r} 7 \\ - 2 \\ \hline 5 \end{array}$	$\begin{array}{r} 6 \\ - 4 \\ \hline 2 \end{array}$	$\begin{array}{r} 4 \\ - 4 \\ \hline 0 \end{array}$	$\begin{array}{r} 12 \\ - 6 \\ \hline 6 \end{array}$
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$\begin{array}{r} 4 \\ - 2 \\ \hline 2 \end{array}$	$\begin{array}{r} 9 \\ - 4 \\ \hline 5 \end{array}$	$\begin{array}{r} 11 \\ - 9 \\ \hline 2 \end{array}$	$\begin{array}{r} 6 \\ - 1 \\ \hline 5 \end{array}$	$\begin{array}{r} 14 \\ - 9 \\ \hline 5 \end{array}$	$\begin{array}{r} 8 \\ - 8 \\ \hline 0 \end{array}$	$\begin{array}{r} 8 \\ - 6 \\ \hline 2 \end{array}$	$\begin{array}{r} 8 \\ - 0 \\ \hline 8 \end{array}$	$\begin{array}{r} 11 \\ - 7 \\ \hline 4 \end{array}$	$\begin{array}{r} 10 \\ - 1 \\ \hline 9 \end{array}$
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$\begin{array}{r} 10 \\ - 7 \\ \hline 3 \end{array}$	$\begin{array}{r} 4 \\ - 3 \\ \hline 1 \end{array}$	$\begin{array}{r} 9 \\ - 9 \\ \hline 0 \end{array}$	$\begin{array}{r} 11 \\ - 3 \\ \hline 8 \end{array}$	$\begin{array}{r} 4 \\ - 4 \\ \hline 0 \end{array}$	$\begin{array}{r} 8 \\ - 1 \\ \hline 7 \end{array}$	$\begin{array}{r} 10 \\ - 9 \\ \hline 1 \end{array}$	$\begin{array}{r} 4 \\ - 3 \\ \hline 1 \end{array}$	$\begin{array}{r} 8 \\ - 7 \\ \hline 1 \end{array}$	$\begin{array}{r} 16 \\ - 8 \\ \hline 8 \end{array}$
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$\begin{array}{r} 11 \\ - 5 \\ \hline 6 \end{array}$	$\begin{array}{r} 7 \\ - 4 \\ \hline 3 \end{array}$	$\begin{array}{r} 5 \\ - 5 \\ \hline 0 \end{array}$	$\begin{array}{r} 0 \\ - 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 7 \\ - 1 \\ \hline 6 \end{array}$	$\begin{array}{r} 10 \\ - 3 \\ \hline 7 \end{array}$	$\begin{array}{r} 10 \\ - 9 \\ \hline 1 \end{array}$	$\begin{array}{r} 4 \\ - 3 \\ \hline 1 \end{array}$	$\begin{array}{r} 11 \\ - 5 \\ \hline 6 \end{array}$	$\begin{array}{r} 4 \\ - 0 \\ \hline 4 \end{array}$
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$\begin{array}{r} 5 \\ - 0 \\ \hline 5 \end{array}$	$\begin{array}{r} 6 \\ - 3 \\ \hline 3 \end{array}$	$\begin{array}{r} 9 \\ - 0 \\ \hline 9 \end{array}$	$\begin{array}{r} 11 \\ - 5 \\ \hline 6 \end{array}$	$\begin{array}{r} 10 \\ - 2 \\ \hline 8 \end{array}$	$\begin{array}{r} 10 \\ - 4 \\ \hline 6 \end{array}$	$\begin{array}{r} 9 \\ - 7 \\ \hline 2 \end{array}$	$\begin{array}{r} 13 \\ - 4 \\ \hline 9 \end{array}$	$\begin{array}{r} 12 \\ - 4 \\ \hline 8 \end{array}$	$\begin{array}{r} 12 \\ - 6 \\ \hline 6 \end{array}$
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### Division Facts to 144 (B)

$108 \div 9 =$	$24 \div 3 =$	$22 \div 2 =$	$108 \div 12 =$	$50 \div 10 =$
$60 \div 12 =$	$144 \div 12 =$	$54 \div 9 =$	$6 \div 1 =$	$20 \div 2 =$
$49 \div 7 =$	$9 \div 9 =$	$10 \div 2 =$	$44 \div 11 =$	$36 \div 6 =$
$12 \div 2 =$	$24 \div 12 =$	$60 \div 12 =$	$77 \div 11 =$	$44 \div 4 =$
$24 \div 8 =$	$25 \div 5 =$	$6 \div 3 =$	$66 \div 11 =$	$60 \div 6 =$
$8 \div 8 =$	$72 \div 6 =$	$24 \div 8 =$	$1 \div 1 =$	$27 \div 9 =$
$22 \div 2 =$	$28 \div 4 =$	$24 \div 8 =$	$40 \div 8 =$	$36 \div 6 =$
$77 \div 7 =$	$15 \div 3 =$	$12 \div 4 =$	$54 \div 9 =$	$28 \div 7 =$
$66 \div 6 =$	$144 \div 12 =$	$96 \div 12 =$	$6 \div 3 =$	$10 \div 1 =$
$33 \div 11 =$	$8 \div 4 =$	$36 \div 6 =$	$25 \div 5 =$	$90 \div 9 =$
$110 \div 10 =$	$55 \div 11 =$	$45 \div 9 =$	$24 \div 3 =$	$96 \div 8 =$
$110 \div 10 =$	$72 \div 12 =$	$64 \div 8 =$	$32 \div 4 =$	$56 \div 8 =$
$50 \div 10 =$	$72 \div 12 =$	$36 \div 4 =$	$24 \div 3 =$	$6 \div 3 =$
$18 \div 6 =$	$49 \div 7 =$	$8 \div 8 =$	$50 \div 5 =$	$36 \div 12 =$
$12 \div 3 =$	$27 \div 9 =$	$81 \div 9 =$	$24 \div 4 =$	$36 \div 4 =$
$2 \div 2 =$	$10 \div 2 =$	$7 \div 1 =$	$80 \div 10 =$	$18 \div 2 =$
$36 \div 12 =$	$5 \div 5 =$	$36 \div 9 =$	$70 \div 10 =$	$64 \div 8 =$
$110 \div 10 =$	$12 \div 1 =$	$21 \div 3 =$	$11 \div 11 =$	$20 \div 4 =$
$30 \div 6 =$	$54 \div 9 =$	$12 \div 1 =$	$96 \div 8 =$	$70 \div 7 =$
$32 \div 8 =$	$80 \div 10 =$	$60 \div 5 =$	$14 \div 2 =$	$54 \div 6 =$

### Division Facts to 144 (B) Answers

$108 \div 9 = 12$	$24 \div 3 = 8$	$22 \div 2 = 11$	$108 \div 12 = 9$	$50 \div 10 = 5$
$60 \div 12 = 5$	$144 \div 12 = 12$	$54 \div 9 = 6$	$6 \div 1 = 6$	$20 \div 2 = 10$
$49 \div 7 = 7$	$9 \div 9 = 1$	$10 \div 2 = 5$	$44 \div 11 = 4$	$36 \div 6 = 6$
$12 \div 2 = 6$	$24 \div 12 = 2$	$60 \div 12 = 5$	$77 \div 11 = 7$	$44 \div 4 = 11$
$24 \div 8 = 3$	$25 \div 5 = 5$	$6 \div 3 = 2$	$66 \div 11 = 6$	$60 \div 6 = 10$
$8 \div 8 = 1$	$72 \div 6 = 12$	$24 \div 8 = 3$	$1 \div 1 = 1$	$27 \div 9 = 3$
$22 \div 2 = 11$	$28 \div 4 = 7$	$24 \div 8 = 3$	$40 \div 8 = 5$	$36 \div 6 = 6$
$77 \div 7 = 11$	$15 \div 3 = 5$	$12 \div 4 = 3$	$54 \div 9 = 6$	$28 \div 7 = 4$
$66 \div 6 = 11$	$144 \div 12 = 12$	$96 \div 12 = 8$	$6 \div 3 = 2$	$10 \div 1 = 10$
$33 \div 11 = 3$	$8 \div 4 = 2$	$36 \div 6 = 6$	$25 \div 5 = 5$	$90 \div 9 = 10$
$110 \div 10 = 11$	$55 \div 11 = 5$	$45 \div 9 = 5$	$24 \div 3 = 8$	$96 \div 8 = 12$
$110 \div 10 = 11$	$72 \div 12 = 6$	$64 \div 8 = 8$	$32 \div 4 = 8$	$56 \div 8 = 7$
$50 \div 10 = 5$	$72 \div 12 = 6$	$36 \div 4 = 9$	$24 \div 3 = 8$	$6 \div 3 = 2$
$18 \div 6 = 3$	$49 \div 7 = 7$	$8 \div 8 = 1$	$50 \div 5 = 10$	$36 \div 12 = 3$
$12 \div 3 = 4$	$27 \div 9 = 3$	$81 \div 9 = 9$	$24 \div 4 = 6$	$36 \div 4 = 9$
$2 \div 2 = 1$	$10 \div 2 = 5$	$7 \div 1 = 7$	$80 \div 10 = 8$	$18 \div 2 = 9$
$36 \div 12 = 3$	$5 \div 5 = 1$	$36 \div 9 = 4$	$70 \div 10 = 7$	$64 \div 8 = 8$
$110 \div 10 = 11$	$12 \div 1 = 12$	$21 \div 3 = 7$	$11 \div 11 = 1$	$20 \div 4 = 5$
$30 \div 6 = 5$	$54 \div 9 = 6$	$12 \div 1 = 12$	$96 \div 8 = 12$	$70 \div 7 = 10$
$32 \div 8 = 4$	$80 \div 10 = 8$	$60 \div 5 = 12$	$14 \div 2 = 7$	$54 \div 6 = 9$

# Multiplication Five Minute Frenzy (F)

Try to complete the chart in less than five minutes and score 98 out of 100 or better. Write the product of the column and row numbers in each space.

x	6	11	10	8	4	9	1	7	3	5
2										
1										
7										
9										
12										
5										
10										
6										
3										
11										

# Multiplication Five Minute Frenzy (F) Answers

Try to complete the chart in less than five minutes and score 98 out of 100 or better. Write the product of the column and row numbers in each space.

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



## Multiplication Facts to 144 With Zeros (A) Answers

$\begin{array}{r} 8 \\ \times 10 \\ \hline 80 \end{array}$	$\begin{array}{r} 5 \\ \times 12 \\ \hline 60 \end{array}$	$\begin{array}{r} 0 \\ \times 4 \\ \hline 0 \end{array}$	$\begin{array}{r} 10 \\ \times 8 \\ \hline 80 \end{array}$	$\begin{array}{r} 10 \\ \times 8 \\ \hline 80 \end{array}$	$\begin{array}{r} 1 \\ \times 11 \\ \hline 11 \end{array}$	$\begin{array}{r} 8 \\ \times 6 \\ \hline 48 \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline 30 \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline 21 \end{array}$	$\begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array}$
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$\begin{array}{r} 12 \\ \times 8 \\ \hline 96 \end{array}$	$\begin{array}{r} 1 \\ \times 7 \\ \hline 7 \end{array}$	$\begin{array}{r} 12 \\ \times 12 \\ \hline 144 \end{array}$	$\begin{array}{r} 6 \\ \times 11 \\ \hline 66 \end{array}$	$\begin{array}{r} 10 \\ \times 3 \\ \hline 30 \end{array}$	$\begin{array}{r} 6 \\ \times 12 \\ \hline 72 \end{array}$	$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$	$\begin{array}{r} 10 \\ \times 2 \\ \hline 20 \end{array}$	$\begin{array}{r} 1 \\ \times 7 \\ \hline 7 \end{array}$	$\begin{array}{r} 8 \\ \times 5 \\ \hline 40 \end{array}$
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$\begin{array}{r} 5 \\ \times 9 \\ \hline 45 \end{array}$	$\begin{array}{r} 5 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline 36 \end{array}$	$\begin{array}{r} 12 \\ \times 5 \\ \hline 60 \end{array}$	$\begin{array}{r} 9 \\ \times 9 \\ \hline 81 \end{array}$	$\begin{array}{r} 12 \\ \times 6 \\ \hline 72 \end{array}$	$\begin{array}{r} 0 \\ \times 5 \\ \hline 0 \end{array}$	$\begin{array}{r} 1 \\ \times 7 \\ \hline 7 \end{array}$	$\begin{array}{r} 7 \\ \times 7 \\ \hline 49 \end{array}$	$\begin{array}{r} 9 \\ \times 0 \\ \hline 0 \end{array}$
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$\begin{array}{r} 11 \\ \times 4 \\ \hline 44 \end{array}$	$\begin{array}{r} 9 \\ \times 4 \\ \hline 36 \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline 40 \end{array}$	$\begin{array}{r} 12 \\ \times 12 \\ \hline 144 \end{array}$	$\begin{array}{r} 3 \\ \times 8 \\ \hline 24 \end{array}$	$\begin{array}{r} 2 \\ \times 5 \\ \hline 10 \end{array}$	$\begin{array}{r} 1 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 0 \\ \times 11 \\ \hline 0 \end{array}$	$\begin{array}{r} 6 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 9 \\ \times 1 \\ \hline 9 \end{array}$
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$\begin{array}{r} 11 \\ \times 8 \\ \hline 88 \end{array}$	$\begin{array}{r} 11 \\ \times 11 \\ \hline 121 \end{array}$	$\begin{array}{r} 3 \\ \times 5 \\ \hline 15 \end{array}$	$\begin{array}{r} 3 \\ \times 5 \\ \hline 15 \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline 21 \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline 30 \end{array}$	$\begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$	$\begin{array}{r} 9 \\ \times 2 \\ \hline 18 \end{array}$	$\begin{array}{r} 8 \\ \times 0 \\ \hline 0 \end{array}$
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$\begin{array}{r} 3 \\ \times 8 \\ \hline 24 \end{array}$	$\begin{array}{r} 9 \\ \times 7 \\ \hline 63 \end{array}$	$\begin{array}{r} 8 \\ \times 4 \\ \hline 32 \end{array}$	$\begin{array}{r} 10 \\ \times 9 \\ \hline 90 \end{array}$	$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$	$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$	$\begin{array}{r} 6 \\ \times 9 \\ \hline 54 \end{array}$	$\begin{array}{r} 12 \\ \times 7 \\ \hline 84 \end{array}$	$\begin{array}{r} 8 \\ \times 10 \\ \hline 80 \end{array}$	$\begin{array}{r} 9 \\ \times 0 \\ \hline 0 \end{array}$
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$\begin{array}{r} 0 \\ \times 2 \\ \hline 0 \end{array}$	$\begin{array}{r} 2 \\ \times 5 \\ \hline 10 \end{array}$	$\begin{array}{r} 12 \\ \times 9 \\ \hline 108 \end{array}$	$\begin{array}{r} 11 \\ \times 12 \\ \hline 132 \end{array}$	$\begin{array}{r} 0 \\ \times 3 \\ \hline 0 \end{array}$	$\begin{array}{r} 9 \\ \times 11 \\ \hline 99 \end{array}$	$\begin{array}{r} 5 \\ \times 1 \\ \hline 5 \end{array}$	$\begin{array}{r} 0 \\ \times 9 \\ \hline 0 \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline 30 \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array}$
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$\begin{array}{r} 12 \\ \times 9 \\ \hline 108 \end{array}$	$\begin{array}{r} 12 \\ \times 3 \\ \hline 36 \end{array}$	$\begin{array}{r} 4 \\ \times 10 \\ \hline 40 \end{array}$	$\begin{array}{r} 8 \\ \times 5 \\ \hline 40 \end{array}$	$\begin{array}{r} 1 \\ \times 1 \\ \hline 1 \end{array}$	$\begin{array}{r} 7 \\ \times 2 \\ \hline 14 \end{array}$	$\begin{array}{r} 3 \\ \times 5 \\ \hline 15 \end{array}$	$\begin{array}{r} 4 \\ \times 3 \\ \hline 12 \end{array}$	$\begin{array}{r} 8 \\ \times 10 \\ \hline 80 \end{array}$	$\begin{array}{r} 4 \\ \times 1 \\ \hline 4 \end{array}$
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$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$	$\begin{array}{r} 6 \\ \times 5 \\ \hline 30 \end{array}$	$\begin{array}{r} 12 \\ \times 6 \\ \hline 72 \end{array}$	$\begin{array}{r} 3 \\ \times 1 \\ \hline 3 \end{array}$	$\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$	$\begin{array}{r} 10 \\ \times 1 \\ \hline 10 \end{array}$	$\begin{array}{r} 4 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline 24 \end{array}$	$\begin{array}{r} 1 \\ \times 1 \\ \hline 1 \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline 12 \end{array}$
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$\begin{array}{r} 4 \\ \times 5 \\ \hline 20 \end{array}$	$\begin{array}{r} 5 \\ \times 12 \\ \hline 60 \end{array}$	$\begin{array}{r} 7 \\ \times 7 \\ \hline 49 \end{array}$	$\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$	$\begin{array}{r} 1 \\ \times 3 \\ \hline 3 \end{array}$	$\begin{array}{r} 12 \\ \times 4 \\ \hline 48 \end{array}$	$\begin{array}{r} 0 \\ \times 6 \\ \hline 0 \end{array}$	$\begin{array}{r} 12 \\ \times 4 \\ \hline 48 \end{array}$	$\begin{array}{r} 9 \\ \times 4 \\ \hline 36 \end{array}$	$\begin{array}{r} 12 \\ \times 1 \\ \hline 12 \end{array}$
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