

Week 1 Homework Honors

TRY YOUR BEST AND SHOW ALL OF YOUR WORK! Use CUBES (circle, underline, box, evaluate, and solve) to earn full credit.

<p>1. Evaluate the following:</p> <p>a. $21 \times 16 \div 8 \times 10 + 1 =$</p> <p>b. $8 \cdot 8 \cdot 8 \div 8 \cdot 8 \div (8 + 8) =$</p> <p>c. $15 + 50 \cdot 5 \div 4 =$</p> <p>d. $(8 \cdot 5) \cdot (5 \cdot 6 - 5) \div 10 - 50 =$</p>	<p>2. Write an expression for a and b:</p> <p>a. 7 multiplied by the sum of 4 and 2.</p> <p>b. The sum of twelve and twenty, divided by eight.</p> <p>c. Translate this expression into words: $3 \times (4 + 1)$</p>
<p>3. Brandi bought 60 gummy worms at the candy store. Her friend Ariana also bought some gummy worms. When they counted all of them together, Brandi and Ariana had 66 gummy worms. Which equation, when solved, will show how many gummy worms Ariana bought?</p> <p>A. $w - 6 = 60$</p> <p>B. $66 + 60 = w$</p> <p>C. $60 - w = 66$</p> <p>D. $60 + w = 66$</p>	<p>4. Cynthia bought 3 boxes of cookies. She got 51 cookies in all. Write an equation, and then solve it to tell how many cookies were in each box?</p> <p>5. A sports league divided all the players into 11 teams. Each team had 4 players. Write an equation that show how many players are in the league?</p>

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<p>List the following numbers in descending order. 1.712, 1.702, 2.41, 2.14, 1.34, 1.31, 1.10, 1.51</p> <p>Which sign (<, >, or =) makes the sentence true?</p> <p>$4/9$ _____ 0.4</p> <p>$46/100$ _____ $6/8$ $4/5$ _____ $16/20$</p>	<p>Add. Simplify your answer and write it as a proper fraction or as a whole or mixed number.</p> <p>$2/5 + 7/10 + 3/5 + 1/20 =$</p> <p>$1/2 + 1/4 + 1/2 + 3/4 =$</p>
<p>Find the place value of the following:</p> <p>In 86.9142, in which place is the 1?</p> <p>In 249.083, in which place is the 4?</p> <p>In 47.8, in which place is the 8?</p>	<p>List the following numbers in ascending order. $1/2, 1/10, 3/5, 1/3, 3/4, 0.456, 0.5$</p> <p>Add:</p> <p>$1/30 + 6/15 =$ $5/12 + 1/2 =$</p>

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<p>Solve:</p> $456,789 + 2,234 =$	<p>Solve the following:</p> $\$70.67 - 18.99 =$
$347,900 - 56,899 =$	$\$124.56 + 3.568 =$
<p>Solve the following. Simplify your answer.</p> $10/16 - 1/4 =$	<p>Solve the following. Simplify your answer.</p> $5 \frac{3}{4} + 7 \frac{1}{4} =$
$5/8 + 1/2 =$	$10 \frac{1}{2} - 5 \frac{3}{4} =$
$8/9 + 1/3 + 7/9 =$	<p>Solve the following. Simplify your answer.</p> $37/4 - 17/2 =$
$9 \frac{1}{4} + 7 \frac{1}{2} =$	$12 \frac{3}{4} - 7 \frac{1}{4} =$

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<p>How much money does Rich need to buy three of each item below?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Photo signed by a famous race car driver</td> <td style="padding: 2px; text-align: right;">\$38.99</td> </tr> <tr> <td style="padding: 2px;">Skate signed by a famous figure skater</td> <td style="padding: 2px; text-align: right;">\$77.06</td> </tr> <tr> <td style="padding: 2px;">Bat signed by a famous baseball player</td> <td style="padding: 2px; text-align: right;">\$67.00</td> </tr> <tr> <td style="padding: 2px;">Ball signed by a famous football player</td> <td style="padding: 2px; text-align: right;">\$6.78</td> </tr> <tr> <td style="padding: 2px;">DVD signed by a famous comedian</td> <td style="padding: 2px; text-align: right;">\$45.89</td> </tr> <tr> <td style="padding: 2px;">Program signed by a famous dancer</td> <td style="padding: 2px; text-align: right;">\$67.89</td> </tr> </table>	Photo signed by a famous race car driver	\$38.99	Skate signed by a famous figure skater	\$77.06	Bat signed by a famous baseball player	\$67.00	Ball signed by a famous football player	\$6.78	DVD signed by a famous comedian	\$45.89	Program signed by a famous dancer	\$67.89	<p>A hospital ordered 17 boxes of cotton swabs. There were 334 cotton swabs in each box. How many cotton swabs did the hospital order in all?</p> <p>Each extension cord is 40 feet long. What is the total length of 30 extension cords?</p>
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<p>Look at these numbers:</p> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin: 10px 0;"> 3 4 7 9 2 8 10 1/2 6 </div> <p>Choose two numbers from the box to complete the multiplication sentence.</p> <p style="text-align: center;">_____ x _____ = 63</p>	<p>Which sign makes the sentence true <, >, or = ?</p> <p style="text-align: center;">9.8 _____ 1.6 × 6</p> <p>The quotient of 822 and 12.</p>												

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<p>1. Translate the words into algebraic expressions.</p> <p>a. The quotient of three times a number and six</p> <p>b. The one number multiplied by itself five times</p> <p>c. Four times a number decreased by the quotient of ten and two</p>	<p>Solve:</p> $1,800 \div 12 =$ <p>The producers of a new movie hope to sell \$72,000,000 worth of tickets on opening weekend. If each ticket costs \$900, how many tickets will the movie have to sell to meet the producers' goal?</p>
<p>Write the following in expanded form <i>and</i> solve.</p> <p>a. 5^3</p> <p>b. 3^5</p> <p>c. 2^8</p>	<p>2. Write the following in exponential form.</p> <p>a. $9 \cdot 9 \cdot 9 \cdot 9 \cdot 9 \cdot 9$ _____</p> <p>b. $3 \cdot 3 \cdot 3 \cdot 3 \cdot 3$ _____</p> <p>c. $2 \cdot 2 \cdot 2 \cdot 2$ _____</p> <p>d. 5 _____</p>

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<p>Solve:</p> $4^3 \cdot 6^2$ $6^3 \div 3^2$	<p>1. Solve the following:</p> <p>a. $5^3 + 6^3$</p> <p>b. $30^1 - 2^4 \cdot 1000^0$</p>
<p>Explain why or why not 155,846 is divisible by 3?</p> <p>Which digit makes this sentence true?</p> <p>____, 096,265 is divisible by 3.</p> <p>A 7 B 2 C 4 D 3</p>	<p>Type a digit that makes this statement true.</p> <p>3, 660, 19__ is divisible by 10.</p> <p>Select all the digits that make this statement true.</p> <p>210, 68__ is divisible by 2.</p> <p>A. 8 B. 6 C. 4 D. 2</p>

