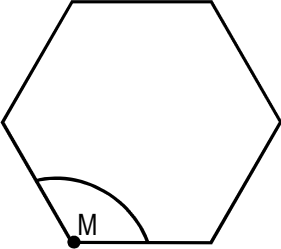
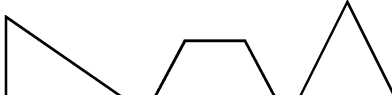


# MATH MADNESS #100

<p>1. In one parking lot there are 115 cars and 32 motorcycles. Which expression can be used to find the total number of tires in the parking lot?</p> <p>a. <math>(115 \times 4) \times (32 \times 4)</math>          b. <math>(115 + 4) \times (32 + 4)</math>          c. <math>(115 \times 4) + (32 \times 2)</math>          d. <math>(115 + 4) + (32 + 2)</math></p>	<p>5. Which set of numbers is ordered from least to greatest?</p> <p>a. <math>\frac{1}{10}</math>, 0.07, <math>\frac{16}{100}</math>, 0.12          b. 0.07, <math>\frac{1}{10}</math>, 0.12, <math>\frac{16}{100}</math>          c. 0.07, 0.12, <math>\frac{16}{100}</math>, <math>\frac{1}{10}</math>          d. 0.12, <math>\frac{1}{10}</math>, 0.07, <math>\frac{16}{100}</math></p>
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<p>2. It is 3,937,000 meters from New York City, New York to Los Angeles, California. What is that number rounded to the nearest ten thousand?</p> <p>a. 3,950,000          b. 3,940,000          c. 3,930,000          d. 3,900,000</p>	<p>6. Leona is buying carpet for her bedroom. Her room is 10 feet wide and 12 feet long. How much will she spend if the carpet costs \$2.20 per square foot?</p> <p>a. \$ 26.00          b. \$ 26.40          c. \$260.00          d. \$264.00</p>
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<p>3. There are 32 cases of soda in a store. If there are 24 cans of soda in each case, how many cans of soda are in the store?</p> <p>a. 992          b. 968          c. 768          d. 752</p>	<p>7. Using a protractor, measure <math>\angle M</math>. Which of the following best describes <math>\angle M</math>?</p> <p>a. obtuse angle; <math>60^\circ</math>          b. obtuse angle; <math>120^\circ</math>          c. acute angle; <math>60^\circ</math>          d. acute angle; <math>120^\circ</math></p> <div style="text-align: right; margin-top: 10px;">  </div>
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<p>4. A baker uses <math>\frac{1}{3}</math> cup of sugar for each batch of cookies she bakes. How much sugar is needed if she bakes 8 batches?</p> <p>a. <math>2\frac{1}{3}</math> cups          b. <math>2\frac{2}{3}</math> cups          c. <math>3\frac{1}{3}</math> cups          d. <math>3\frac{2}{3}</math> cups</p>	<p>8. Which statement about the figures below is true?</p> <div style="text-align: center; margin-bottom: 10px;">  </div> <p>a. Each polygon has at least one acute angle.          b. Each polygon has at least one obtuse angle.          c. Each polygon has more than three sides.          d. Each polygon has less than four sides.</p>
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**9 & 10 (2 points) Short Answer / Extended Response**

<p>Trisha's rule for this table is to divide each number in column X by 2, and then add 5. Following this rule, what numbers should be written in column Y?</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="width: 30px;">X</th> <th style="width: 30px;">Y</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">18</td><td style="text-align: center;"> </td></tr> <tr><td style="text-align: center;">28</td><td style="text-align: center;"> </td></tr> <tr><td style="text-align: center;">38</td><td style="text-align: center;"> </td></tr> <tr><td style="text-align: center;">48</td><td style="text-align: center;"> </td></tr> </tbody> </table>	X	Y	18		28		38		48		<p>Use the same rule to create your own table of number pairs. You may start with any number you like, as long as you use the same rule.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="width: 30px;">X</th> <th style="width: 30px;">Y</th> </tr> </thead> <tbody> <tr><td style="text-align: center;"> </td><td style="text-align: center;"> </td></tr> <tr><td style="text-align: center;"> </td><td style="text-align: center;"> </td></tr> <tr><td style="text-align: center;"> </td><td style="text-align: center;"> </td></tr> <tr><td style="text-align: center;"> </td><td style="text-align: center;"> </td></tr> </tbody> </table>	X	Y								
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