
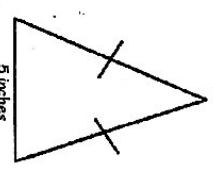
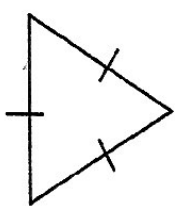
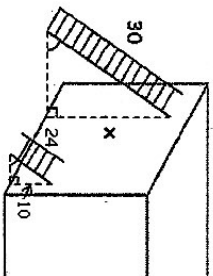


<p>1. The rectangle below has a length of 7 centimeters and a width of 3 centimeters.</p>  <p>Three centimeters are subtracted from the length, and <math>c</math> centimeters are added to the width. The area of the new rectangle is 32 square centimeters. What is the value of <math>c</math>?</p> <p>A. 1 centimeters B. 3 centimeter C. 5 centimeters D. 10 centimeters</p>	<p>2. A rectangle's length is three more than two times its width. If the perimeter of a rectangle is 66 feet, what is the measurement of the length?</p> <p>A. 10 inches B. 21 inches C. 23 inches D. 45 inches</p>
<p>3. Which expression is NOT equivalent to <math>8p + 6?</math></p> <p>A. <math>2(4p + 3)</math> B. <math>2(4p - 1) + 10</math> C. <math>-12p + 30 + 20p - 24</math> D. <math>2p + 4 + 5p + 2 + p</math></p>	<p>4. Which expression is equivalent to <math>9m - 36?</math></p> <p>A. <math>9(m - 36)</math> B. <math>8m - 12 + m + 48</math> C. <math>9(m + 4)</math> D. <math>-12m + 4 + 21m - 40</math></p>
<p>5. The isosceles triangle below has a perimeter of <math>6x + 7</math>. If the base is 5, what is the length of each of the unknown sides?</p>  <p>A. <math>3x + 1</math> B. <math>6x + 2</math> C. <math>3x + 2</math> D. <math>x + 2</math></p>	<p>6. The triangle shown has a perimeter of <math>6x + 1</math>.</p>  <p>What is the length of each side of the triangle?</p> <p>A. <math>18x + 3</math> B. <math>2x + \frac{1}{3}</math> C. <math>2x + 1</math> D. <math>3x + \frac{1}{3}</math></p>

<p>7. Which expression is NOT equivalent to <math>5(2a - 6) - 16a?</math></p> <p>A. <math>6a - 30</math> B. <math>10a - 16a - 30</math> C. <math>-30 - 6a</math> D. <math>-6a - 30</math></p>	<p>8. Which expression is NOT equivalent to <math>\frac{1}{2}(8p - 14) - 10p?</math></p> <p>A. <math>4p - 7 - 10p</math> B. <math>-7 + (-6p)</math> C. <math>4p - 7 - 5p</math> D. <math>-6p - 7</math></p>								
<p>9. What is the coefficient of <math>m</math> when the expression <math>\frac{1}{2}(8m - 4) - 3m</math> is simplified?</p> <p>A. -2 B. -1 C. 1 D. 2</p>	<p>10. What is the coefficient of <math>k</math> when the expression <math>-2(4k - 9) - 11k + 8</math> is simplified?</p> <p>A. 3 B. -3 C. -7 D. -19</p>								
<p>11. Paula is saving for a spring break trip. So far, she has saved \$90. If she plans to save \$15 each week (<math>w</math>) from her part-time job, which expression shows how long must she save for until her savings are quadrupled?</p> <p>A. <math>15w + 90 = 360</math> B. <math>4(15w + 90) = 360</math> C. <math>15w + 90w = 360</math> D. <math>4(15w) + 90 = 360</math></p>	<p>12. Several students conducted a survey of the type of snacks that their peers wanted for the field trip.</p> <table border="1" data-bbox="812 1575 1006 1911"> <thead> <tr> <th colspan="2">Survey Results</th> </tr> </thead> <tbody> <tr> <td>Jaine reported that 4 out of 15 students wanted a salty snack.</td> <td></td> </tr> <tr> <td>Laura reported that <math>\frac{1}{3}</math> of the students wanted a sweet snack.</td> <td></td> </tr> <tr> <td>Piper reported that 2 of the students wanted pizza.</td> <td></td> </tr> </tbody> </table> <p>Based on the three surveys, which snack was the most desired?</p> <p>A. A salty snack B. A sweet snack C. Pizza D. Salty and sweet snacks are tied.</p>	Survey Results		Jaine reported that 4 out of 15 students wanted a salty snack.		Laura reported that $\frac{1}{3}$ of the students wanted a sweet snack.		Piper reported that 2 of the students wanted pizza.	
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<p>13. Margie, Eric, and Connor helped their band stuff envelopes for a fundraiser. Margie has stuffed 96 out of 144 envelopes. Eric has stuffed 62% of his envelopes. Connor has stuffed <math>\frac{2}{3}</math> of his envelopes. If each student started with the same amount, who has the most envelopes left to stuff?</p> <p>A. Margie B. Eric C. Connor</p>	<p>14. What is the solution set for the inequality, <math>4(p - 3) - 12p \geq 36</math></p> <p>A. <math>p \leq 6</math> B. <math>p \geq 6</math> C. <math>p \leq -6</math> D. <math>p \geq -6</math></p>								

<p>1. Cameron's friend John is going to Italy. She wants John to bring her back a souvenir item but Italy uses the Euro as its own unit of currency.</p> <p>Conversion 1 US Dollar = about .77 European Euro</p> <p>If Cameron gives his friend \$50, about how many European Euros can John spend on the souvenir?</p> <p>A. About \$39 B. About \$49 C. About \$50 D. About \$65</p>	<p>2. The ladders shown below are standing against the wall at the same angle. How high up the wall does the longer ladder go? (All measurements are in feet.)</p>  <p>A. 25 feet B. 12.5 feet C. 14 feet D. 11.25 feet</p>
<p>3. Karla, an editor for "The Legacy" newspaper, edits <math>\frac{1}{5}</math> of a page in 3 minutes. How long would it take Karla to edit 3 pages?</p> <p>A. 9 minutes B. 15 minutes C. 45 minutes D. 60 minutes</p>	<p>4. A 3-pound package of ground beef is \$7.80. A <math>\frac{1}{2}</math>-pound package is \$1.28. What is the difference in the cost per pound between the larger and smaller packages of beef?</p> <p>A. The larger package costs \$6.52 per pound more than the smaller package. B. The larger package costs \$2.60 more per pound than the smaller package. C. The larger package costs \$1.32 more per pound than the smaller package. D. The larger package costs \$0.04 more per pound than the smaller package.</p>
<p>5. Lauren made 15 cups of lemonade by mixing lemon juice and sugar water. The ratio of lemon juice to sugar water is 2 : 3. How many cups of lemon juice are in the lemonade?</p> <p>A. 6 cups B. 9 cups C. 10 cups D. 22.5 cups</p>	<p>6. Penelope is driving to college. She looks at a map to find out how far she has to drive. On the map, Penelope measures the distance to be 7.5 inches. If the map scale is 1.5 in. = 40 mi, how many miles does Penelope need to drive?</p> <p>A. 200 miles B. 210 miles C. 300 miles D. <math>\frac{9}{32}</math> mile</p>

<p>7. The table below shows the amount of money that Bonnie spent during her last trip to Target.</p> <table border="1" data-bbox="1364 1155 1494 1470"> <thead> <tr> <th>Target Purchases</th> <th></th> </tr> </thead> <tbody> <tr> <td>Clothing</td> <td>\$56</td> </tr> <tr> <td>Groceries</td> <td>\$82</td> </tr> <tr> <td>School Supplies</td> <td>\$16</td> </tr> </tbody> </table> <p>To the nearest percent, what percent of the total did she spend on groceries?</p> <p>A. 10% B. 36% C. 53% D. 88%</p>	Target Purchases		Clothing	\$56	Groceries	\$82	School Supplies	\$16	<p>8. On a map, the length of the road from town A to B is 12 inches. On this map, <math>\frac{1}{4}</math> inch represents 8 miles. What is the actual distance from town A to B in miles?</p> <p>A. 128 miles B. 96 miles C. 72 miles D. 1125 miles</p>
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Clothing	\$56								
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<p>9. Jennifer's new bike costs \$96. Her parents paid 40% of the cost and Jennifer paid the rest. How much did Jennifer pay?</p> <p>A. \$38.40 B. \$57.60 C. \$130.00 D. \$134.40</p>	<p>10. Leann purchased a new computer for her birthday. She had to pay 7.5% sales tax on the computer. If she paid \$63.75 in sales tax, how much did the computer cost?</p> <p>A. \$4.78 B. 68.53 C. \$850 D. \$900</p>								
<p>11. Miller earns \$70,000 per year and puts 7% of his earnings into a savings account. What is the total amount in Miller's savings account after 1 year if the interest rate is 3%?</p> <p>A. \$147 B. \$2,100 C. \$5,047 D. \$72,100</p>	<p>12. A writer earns 8% of total sales dollars as a commission. If 2,000 copies of his book are sold at \$14.95 each, how much commission does he earn?</p> <p>A. \$120 B. \$119.60 C. \$160 D. \$2,392</p>								
<p>13. Yosef purchased a new sweater. The total price of the sweater, including the 8% sales tax, was \$16.74. What was the retail cost of the sweater (before tax)?</p> <p>A. \$15.40 B. \$15.50 C. \$18.08 D. \$16.66</p>	<p>14. The sweatshirt you purchased was on sale for \$29.25, having been marked 35% off. What was the original price?</p> <p>A. \$45 B. \$39.49 C. \$35.46 D. \$19.01</p>								