

Name: \_\_\_\_\_  
 Date Started: \_\_\_\_\_ Date Completed: \_\_\_\_\_ Score: \_\_\_\_\_

### Learning Activity Sheet Proportion

**Write the letter of the correct answer on the space provided before the number.**

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|---|---|
| <p>____ 1. Find the ratio of <math>x</math> to <math>y</math> in the equation <math>9x = 11y</math>.<br/>           A. <math>11/9</math><br/>           B. <math>9/11</math><br/>           C. <math>9/11x/y</math><br/>           D. <math>11/9x/y</math></p>  | <p>____ 6. If <math>x/y = 5/7</math>, which of the following is NOT true?<br/>           A. <math>7x = 5y</math><br/>           B. <math>y/x = 7/5</math><br/>           C. <math>xy/5 = 7</math><br/>           D. <math>x/7y = 5</math></p>   |
| <p>____ 2. Which of the following ratios are equivalent?<br/>           A. <math>3/5</math> and <math>15/20</math><br/>           B. <math>4/3</math> and <math>30/24</math><br/>           C. <math>2/7</math> and <math>14/49</math><br/>           D. <math>6/5</math> and <math>36/42</math></p>                  | <p>____ 7. The length and width of a rectangular garden are in the ratio of <math>6/3</math>. If the length is 24 feet, what is the width?<br/>           A. 6 feet<br/>           B. 12 feet<br/>           C. 18 feet<br/>           D. 24 feet</p>   |
| <p>____ 3. In Batch 2021, 58 of the 198 students are varsity players. What is the ratio of the varsity students to the non-varsity students in simplest form?<br/>           A. <math>29/99</math><br/>           B. <math>99/29</math><br/>           C. <math>70/29</math><br/>           D. <math>29/70</math></p> | <p>____ 8. Which of the following equations represents the ratio of the number of boys to the number of girls in the class?<br/>           A. <math>5/3 = 15/x</math><br/>           B. <math>5/3 = x/15</math><br/>           C. <math>5/15 = 3/x</math><br/>           D. <math>3/5 = 15/x</math></p> |
| <p>____ 4. What is the value of <math>x</math> in the proportion <math>x/20 = 3/4</math> ?<br/>           A. <math>x = 3</math><br/>           B. <math>x = 5</math><br/>           C. <math>x = 15</math><br/>           D. <math>x = 20</math></p>  | <p>____ 9. How many boys are there in the class?<br/>           A. 10 boys<br/>           B. 15 boys<br/>           C. 20 boys<br/>           D. 25 boys</p>  |
| <p>____ 5. What is the value of <math>x</math> in the proportion <math>x/1/4 = 21/5</math> ?<br/>           A. <math>x = 3</math><br/>           B. <math>x = -3</math><br/>           C. <math>x = 1/3</math><br/>           D. <math>x = -1/3</math></p>  | <p>____ 10. How many students are there in the class?<br/>           A. 30 students<br/>           B. 35 students<br/>           C. 40 students<br/>           D. 45 students</p>   |