

Proportional Thinking in Creation

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5th Grade Math Practice

Name: _____

Date: _____

Solve each problem. Show your work when needed.

1. If a plant grows 3 feet in 4 weeks, how much will it grow in 12 weeks?

2. A tree is 10 feet tall and the shadow is 5 feet long. What is the ratio of the height to the shadow length?

3. Circle the greater ratio: 1::8:

4 or 2

4. What number comes next in the ratio? 3:6, 6:12, _____

5. The golden ratio is approximately 1.618.

True False

6. Calculate the volume of a rectangular box with dimensions 2 ft, 3 ft, and 4 ft.

7. If a butterfly has wings that are 6 inches long, what would be the length of its wings if they grow in a ratio of 1:2?

8. What is $\frac{3}{4} + \frac{1}{2}$?

9. A recipe calls for 2 cups of flour for every 3 cups of sugar. How much flour is needed for 9 cups of sugar?

10. Circle the smaller number: 3//3:

5 or 2

11. What is the next number in the ratio series? 5:10, 10:20, _____

12. A ratio of 4:5 is equivalent to 8:10.

True False

13. If a snail moves 0.2 meters every hour, how far will it move in 5 hours?

14. A giraffe's neck is 6 feet long. If its body is 3 times as long, how long is the body?

15. What is 2.5×4 ?

Answer Key

1. 9 2. 2 3. 1:4 4. 12:24 5. True 6. 24 7. 12 8. 5/4 9. 6 10. 3/5 11. 20:40 12. True 13. 1 14. 18 15. 10