

Multiplying Fractions Review

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Understanding Scaling and Proportions

Name: _____

Date: _____

Answer the following questions based on what you learned about multiplying fractions and scaling.

1. What does multiplying by a fraction less than 1 do to a number?
 - A. Makes it larger
 - B. Makes it smaller
 - C. Keeps it the same
2. Explain how multiplication can be seen as a scaling process. Give an example.

3. Multiplying by a fraction greater than 1 will reduce the quantity.

True False

4. When you multiply $\frac{1}{2}$ by 6, the result is ____.
5. According to Proverbs 11:24, what happens when one gives freely?
 - A. They become poor
 - B. They increase more
 - C. They lose everything

6. What did we learn about scaling through our discussion on multiplication?

7. Fractions greater than 1 scale up the original quantity.

True False

8. Multiplying by a fraction less than 1 is like ____ a quantity.
9. How does understanding multiplication help us with proportions?
 - A. It helps us ignore numbers
 - B. It allows us to compare sizes
 - C. It makes math harder

10. Why is it important to understand scaling in multiplication?

Answer Key

1. Makes it smaller 2. Multiplication can stretch or shrink quantities. For example, multiplying 4 by $\frac{1}{2}$ scales it down to 2. 3. False 4. 3 5. They increase more 6. We learned that multiplication can change the size of a number, either increasing or decreasing it, depending on whether we multiply by a fraction greater or less than 1. 7. True 8. shrinking 9. It allows us to compare sizes 10. Understanding scaling helps us make sense of real-life situations, like cooking or budgeting, where we need to adjust amounts up or down.