

Multiplying Fractions by Whole Numbers Review

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Understanding Fraction Multiplication

Name: _____

Date: _____

Answer the following questions based on what you learned about multiplying fractions by whole numbers.

1. What does multiplying a fraction by a whole number represent?

- A. Finding a single group of the fraction
- B. Finding multiple groups of the fraction
- C. Adding the fraction to itself

2. To multiply 3 by $\frac{1}{4}$, we can think of it as ____ + ____ + ____.

3. How can we use multiplication of fractions in real life? Provide one example.

4. Multiplication of fractions is the same as adding the fractions together repeatedly.

- True False

5. Which of the following is an area model representation of $3 \times \frac{1}{4}$?

- A. A square divided into 4 parts, shaded 3 times
- B. A rectangle divided into 3 parts, each part $\frac{1}{4}$
- C. A circle divided into 4 sections

6. The skill of multiplying fractions can help us become ____ in our work, just like Proverbs 22:29 says.

7. What strategy helps you understand how to multiply fractions? Explain in a few sentences.

8. The multiplication of a whole number by a fraction does not require understanding of repeated addition.

- True False

9. If you multiply $2 \times \frac{3}{5}$, what is the correct answer?

- A. $\frac{3}{10}$
- B. $\frac{6}{5}$
- C. $\frac{3}{5}$

10. To visualize multiplication of fractions, we can use ____ and grid paper.

Answer Key

1. Finding multiple groups of the fraction 2. $\frac{1}{4}$, $\frac{1}{4}$, $\frac{1}{4}$ 3. We might use it when cooking to adjust a recipe that calls for a fraction of an ingredient. For example, if a recipe needs $\frac{1}{2}$ cup of sugar and we want to make 3 batches, we would multiply $\frac{1}{2}$ by 3 to find out we need $1 \frac{1}{2}$ cups of sugar. 4. True 5. A square divided into 4 parts, shaded 3 times 6. skilled 7. Using fraction bars helps me visualize the multiplication process. When I see how many parts I have and how they fit together, it makes it easier to understand the result of the multiplication. 8. False 9. $\frac{6}{5}$ 10. fraction bars