

# Dividing Unit Fractions by Whole Numbers

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## Understanding Fraction Division

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

1. What is a unit fraction?

- A. A fraction with a numerator of 1
- B. A fraction with a denominator of 1
- C. A fraction with no whole number

2. Dividing a unit fraction by a whole number creates \_\_\_\_ pieces.

3. Explain what happens when we divide  $\frac{1}{4}$  by 2. What is the result and how can we visualize it?

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4. Dividing a unit fraction makes the pieces larger.

- True       False

5. How can visual models help us understand division of fractions?

- A. They show the process of dividing
- B. They make it more confusing
- C. They are not useful in math

6. According to Proverbs 16:16, getting wisdom is better than \_\_\_\_!

7. Why do you think patience is important when dividing fractions?

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8. Visual models cannot be used to represent fraction division.

- True       False

9. What is the first step in dividing  $\frac{1}{3}$  by 3?

- A. Multiply by 3
- B. Divide the numerator by 3
- C. Divide the fraction into equal parts

10. Describe a method you can use to create a visual model for dividing a unit fraction. What materials would you use?

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### Answer Key

1. A fraction with a numerator of 1 2. smaller 3. When we divide  $\frac{1}{4}$  by 2, we get  $\frac{1}{8}$ . We can visualize this using fraction bars, showing that  $\frac{1}{4}$  is split into two equal parts, each being  $\frac{1}{8}$ . 4. False 5. They show the process of dividing 6. gold 7. Patience helps us to carefully think through each step and avoid mistakes in calculations. 8. False 9. Divide the fraction into equal parts 10. I would use fraction bars or paper cut into strips to create visual models. I would label each part to show how the unit fraction is divided.