**Model Division**

Match each question with the correct model. Then complete the division sentence.

1. What is 4 divided by \( \frac{1}{3} \)?
   \[ 4 \div \frac{1}{3} = \square \]

2. What is 4 divided by \( \frac{1}{5} \)?
   \[ 4 \div \frac{1}{5} = \square \]

3. What is 4 divided by \( \frac{1}{2} \) ?
   \[ 4 \div \frac{1}{2} = \square \]

Complete each division or multiplication to find \( a \) and \( b \).

Use fraction strips or grid paper for help.

4. \( 6 \div \frac{1}{3} = a \) \( 6 \times 3 = b \) \[ \square \]

5. \( 7 \div \frac{1}{5} = a \) \( 7 \times 5 = b \) \[ \square \]

6. \( 8 \div \frac{1}{4} = a \) \( 8 \times 4 = b \) \[ \square \]

7. \( 2 \div \frac{1}{6} = a \) \( 2 \times 6 = b \) \[ \square \]

Use your answers from Exercises 4–7 to answer Exercise 8–9.

8. What is a unit fraction?

9. What rule can you write about dividing a whole number by a unit fraction?

Divide. Check your answers.

10. \( \frac{5}{6} \div \frac{1}{6} \) \[ \square \]

11. \( \frac{4}{5} \div \frac{1}{5} \) \[ \square \]

12. \( \frac{3}{7} \div \frac{1}{7} \) \[ \square \]

13. \( \frac{3}{8} \div \frac{1}{8} \) \[ \square \]

14. \( \frac{2}{7} \div \frac{1}{7} \) \[ \square \]

15. \( \frac{1}{2} \div \frac{1}{2} \) \[ \square \]

16. \( \frac{4}{6} \div \frac{2}{6} \) \[ \square \]

17. \( \frac{6}{9} \div \frac{3}{9} \) \[ \square \]

18. \( \frac{8}{12} \div \frac{4}{12} \) \[ \square \]

19. \( \frac{6}{10} \div \frac{2}{10} \) \[ \square \]

20. \( \frac{4}{5} \div \frac{3}{15} \) \[ \square \]

21. \( \frac{2}{3} \div \frac{3}{9} \) \[ \square \]

Test Prep

22. Find \( \frac{6}{7} \div \frac{1}{7} \). Explain how you found your answer.

23. Beth had 4 feet of rope. She divided each foot into pieces that measured \( \frac{1}{4} \) of a foot. How many sections of rope did she then have?

   A \( \frac{1}{16} \)  
   B 8  
   C 4  
   D 16

Use with text pages 320–321.