Fractions and Mixed Numbers

Study this number line.

1. Write each missing fraction. Then draw a different model to represent each fraction you wrote.

Write each improper fraction as a mixed number or a whole number.
2. \( \frac{11}{6} \) 3. \( \frac{13}{5} \) 4. \( \frac{7}{4} \) 5. \( \frac{12}{6} \) 6. \( \frac{15}{2} \)

Write each mixed number as an improper fraction.
7. \( 2\frac{1}{3} \) 8. \( 3\frac{4}{5} \) 9. \( 4\frac{2}{3} \) 10. \( 5\frac{1}{6} \) 11. \( 2\frac{4}{5} \)

Algebra Expressions  Rewrite each expression as a fraction or a division problem.
12. \( \frac{x}{y} \) 13. \( p \div q \) 14. \( a \div b \) 15. \( \frac{h}{t} \) 16. \( \frac{b}{c} \)

If \( j \) and \( k \) are whole numbers not equal to zero, explain how \( j \) and \( k \) are related in each case. Write \( j > k \), \( j < k \), or \( j = k \).
17. \( \frac{i}{k} \) is equal to 1 18. \( \frac{i}{k} \) is a fraction between 0 and 1. 19. \( \frac{i}{k} \) is a fraction between 1 and 2.

Test Prep

20. Tony needs to frame 7 pictures. He has framed 4 so far. What fraction represents the pictures he has not framed?
   A. \( \frac{3}{7} \)  B. \( \frac{4}{7} \)  C. \( \frac{4}{7} \)  D. \( \frac{7}{7} \)

21. Lucinda divides 1 quart of juice equally among 3 of her friends. What part of a quart does each friend get?