

PRE-TEST
4

Multiplying and Dividing Fractions and Mixed Numbers

Vocabulary

Fill in the blanks.

Use the words in the box.

- To _____ a fraction is to reduce it to simplest form.
- In an _____, the numerator is greater than the denominator.
- To express a fraction as a _____, change its denominator to 10 or 100 first.

decimal
simplify
improper fraction

Concepts and Skills

Write your answer in the space given.

4. Circle the equivalent fractions.

$$\frac{2}{9} \quad \frac{1}{3} \quad \frac{4}{18} \quad \frac{6}{27} \quad \frac{3}{10}$$

Simplify.

5. $\frac{15}{18}$

6. $\frac{14}{35}$

Name: _____

Date: _____

Complete. Show your work.

7. Subtract $\frac{3}{10}$ from 3.

8. Express each improper fraction as a mixed number.

a. $\frac{15}{4}$

b. $\frac{21}{5}$

9. Express $5\frac{2}{5}$ as an improper fraction.

10. Express $\frac{3}{5}$ as a decimal.

11. Find the product of $\frac{2}{3}$ and 36.

12. Simplify $25 \times 4 \div (12 - 8)$.

Name: _____

Date: _____

Draw a model to show what is stated.

- 13.** Gomez spent $\frac{5}{8}$ of his money on a gift for his brother and $\frac{1}{6}$ of his money on a card. He saved the rest of his money.

Solve.

- 14.** Lisa paid \$18 for 9 cupcakes.
How much do 6 cupcakes cost?

Problem Solving

Solve. Show your work.

- 15.** Kim has 18 toys. $\frac{1}{3}$ of the toys are teddy bears. $\frac{1}{6}$ of the toys are balls and the rest are dolls. How many dolls does Kim have?
- 16.** Sally has 6 boxes of colored pencils. Only 3 of the boxes contain 12 colored pencils each. The remaining boxes each contain 20 colored pencils. She packs the colored pencils into 8 packets. How many pencils are there in each packet?