

Finding Equivalent Fractions and Simplest Form

SKILLS

Write an equivalent fraction for each fraction. You may choose the number to multiply the numerator and denominator by.

1. $\frac{1}{2} =$ _____

2. $\frac{2}{5} =$ _____

3. $\frac{3}{4} =$ _____

4. $\frac{1}{6} =$ _____

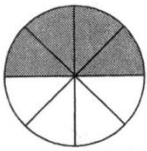
5. $\frac{7}{8} =$ _____

6. $\frac{1}{3} =$ _____

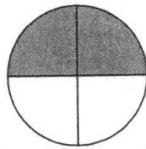
7. $\frac{2}{7} =$ _____

8. $\frac{5}{9} =$ _____

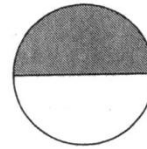
9. Simplify the fraction $\frac{4}{8}$.



$\frac{4}{8}$

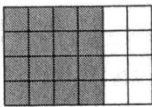


simplifies to _____

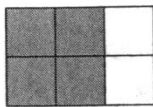


which simplifies to _____.

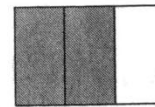
10. Simplify the fraction $\frac{16}{24}$.



$\frac{16}{24}$



simplifies to _____



which simplifies to _____.

Simplify each fraction using division.

11. $\frac{10}{14} =$ _____

12. $\frac{8}{12} =$ _____

13. $\frac{9}{15} =$ _____

14. $\frac{6}{12} =$ _____

15. $\frac{12}{15} =$ _____

16. $\frac{9}{12} =$ _____

17. Circle the fractions that cannot be simplified.

a. $\frac{6}{9}$

b. $\frac{7}{8}$

c. $\frac{3}{4}$

d. $\frac{9}{10}$

Hint: If there is no number that divides evenly into both the numerator and denominator, they cannot be simplified.

Finding Equivalent Fractions and Simplest Form

CRITICAL THINKING AND PROBLEM SOLVING

18. Circle the fraction below that is not equivalent to $\frac{1}{3}$. How did you decide that it is NOT equivalent?

$\frac{3}{9}$

$\frac{6}{18}$

$\frac{6}{12}$

$\frac{2}{6}$

19. Circle the fraction below that is not equivalent to $\frac{1}{4}$. How did you decide that it is NOT equivalent?

$\frac{2}{8}$

$\frac{3}{12}$

$\frac{5}{15}$

$\frac{5}{20}$

20. Circle the fraction below that is not equivalent to $\frac{3}{5}$. How did you decide that it is NOT equivalent?

$\frac{9}{15}$

$\frac{12}{20}$

$\frac{8}{10}$

$\frac{15}{25}$

21. A package of candies has 100 pieces. There are 10 blue pieces, 25 red pieces, and 15 green pieces. The rest are yellow. What fraction of the candies are yellow?

_____ of the candies are yellow.

22. A bag of 50 marbles contains 2 aggies, 10 rainbow, 13 plain, and 10 peppermint stick. The rest are cat's eye marbles. What fraction of the marbles are cat's eye marbles?

_____ of the marbles are cat's eye marbles.

23. There are 24 students in a class. Fourteen are girls. What fraction of the students are boys?

_____ of the students are boys.