Fractions: Lowest Terms

Name _____

Date _____

> Write $\frac{6}{8}$ in lowest terms, or simplest form.
>
> | Factors of 6: 1, 2, 3, 6 |
> | Factors of 8: 1, 2, 4, 8 |
> | Common factors: 1, 2 |
> | GCF: 2 |
>
> To rename a fraction as an equivalent fraction in lowest terms, divide the numerator and denominator by their GCF.
>
> $$\frac{6 \div 2}{8 \div 2} = \frac{3}{4}$$
>
> So $\frac{6}{8}$ in lowest terms is $\frac{3}{4}$.

Complete to find the simplest form of each fraction.

1. $\frac{2 \div 2}{4 \div 2} =$ _____

2. $\frac{6 \div 3}{9 \div 3} =$ _____

3. $\frac{4 \div 4}{32 \div 4} =$ _____

4. $\frac{10 \div 5}{15 \div 5} =$ _____

5. $\frac{6 \div 6}{12 \div 6} =$ _____

6. $\frac{9 \div 3}{12 \div 3} =$ _____

7. $\frac{7 \div 7}{28 \div 7} =$ _____

8. $\frac{16 \div 8}{24 \div 8} =$ _____

9. $\frac{8 \div 8}{48 \div 8} =$ _____

10. $\frac{25 \div 5}{60 \div 5} =$ _____

11. $\frac{9 \div 9}{63 \div 9} =$ _____

12. $\frac{32 \div 8}{40 \div 8} =$ _____

13. $\frac{12 \div 3}{15 \div 3} =$ _____

14. $\frac{36 \div 6}{66 \div 6} =$ _____

15. $\frac{16 \div 4}{36 \div 4} =$ _____

16. $\frac{18 \div 9}{45 \div 9} =$ _____

Is each fraction in simplest form? Write *yes* or *no*.

17. $\frac{6}{9}$ _____

18. $\frac{5}{7}$ _____

19. $\frac{4}{5}$ _____

20. $\frac{9}{12}$ _____

Write each fraction in lowest terms.

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

22. $\frac{2}{6} =$ _____

23. $\frac{4}{8} =$ _____

24. $\frac{5}{10} =$ _____

25. $\frac{8}{20} =$ _____

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

27. $\frac{3}{18} =$ _____

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

29. $\frac{6}{18} =$ _____

30. $\frac{4}{24} =$ _____

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

32. $\frac{4}{10} =$ _____

33. $\frac{2}{12} =$ _____

34. $\frac{2}{16} =$ _____

35. $\frac{7}{21} =$ _____

36. $\frac{2}{20} =$ _____

37. $\frac{8}{14} =$ _____

38. $\frac{10}{15} =$ _____

39. $\frac{9}{81} =$ _____

40. $\frac{27}{72} =$ _____

Ⓒ Use with Lesson 8-7, pages 278–279 in the Student Book.
Then go to Lesson 8-8, pages 280–281 in the Student Book.