

Fractions

Skill 5 - 10F

Simplest Form

To find the simplest form of a fraction, divide the numerator and the denominator by the greatest common factor.

Find: $\frac{4}{8}$ in simplest form.

Step 1	Step 2
<p>Find the common factors of the numerator and the denominator.</p> <p>The factors of 4 are 1, 2, and 4.</p> <p>The factors of 8 are 1, 2, 4 and 8.</p> <p>The greatest common factor is 4.</p>	<p>Divide the numerator and denominator by the greatest common factor.</p> $\frac{4 \div 4}{8 \div 4} = \frac{1}{2}$

Answers for test question 10F **Write each fraction in simplest form.**

<p>1. $\frac{14}{16}$</p> <p>The factors of 14 are 1, 2, 7, and 14..</p> <p>The factors of 16 are 1, 2, 4, 8 and 16.</p> <p>The greatest common factor is 2.</p> $\frac{14 \div 2}{16 \div 2} = \frac{7}{8}$	<p>2. $\frac{16}{24}$</p> <p>The factors of 16 are 1, 2, 4, 8, and 16.</p> <p>The factors of 24 are 1, 2, 3, 4, 6, 8, 12, and 24</p> <p>The greatest common factor is 2.</p> $\frac{16 \div 8}{24 \div 8} = \frac{2}{3}$	<p>3. $\frac{42}{54}$</p> <p>The factors of 42 are 1, 2, 3, 6, 7, 14, 21 and 42.</p> <p>The factors of 54 are 1, 2, 3, 6, 9, 18, 27 and 54.</p> <p>The greatest common factor is 6.</p> $\frac{42 \div 6}{54 \div 6} = \frac{7}{9}$
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Try this way to find the simplest form.

Divide by a common factor. $\frac{16 \div 4}{24 \div 4} = \frac{4}{6}$ $\frac{4}{6}$ is not in simplest form so try again.

$\frac{4 \div 2}{6 \div 2} = \frac{2}{3}$ $\frac{2}{3}$ is in simplest form. The numerator and denominator have only one common factor which is 1.

Write the fractions in simplest form.

1. $\frac{2}{4}$ 2. $\frac{2}{6}$ 3. $\frac{4}{6}$ 4. $\frac{4}{10}$ 5. $\frac{4}{8}$

Fractions

Skill 5 - 10F

Simplest Form

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

6. $\frac{1}{6}$

7. $\frac{2}{4}$

8. $\frac{1}{2}$

9. $\frac{6}{8}$

10. $\frac{1}{10}$

11. $\frac{1}{5}$

12. $\frac{4}{7}$

13. $\frac{3}{9}$

14. $\frac{2}{12}$

15. $\frac{3}{15}$

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

17. $\frac{1}{8}$

18. $\frac{2}{3}$

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

20. $\frac{8}{16}$

21. $\frac{2}{10}$

22. $\frac{10}{20}$

23. $\frac{9}{12}$

24. $\frac{1}{2}$

25. $\frac{2}{3}$

26. $\frac{12}{16}$

27. $\frac{5}{8}$

28. $\frac{6}{18}$

29. $\frac{2}{9}$

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

Directions: Write each fraction in simplest form.

31. $\frac{6}{8}$

32. $\frac{2}{8}$

33. $\frac{3}{9}$

34. $\frac{2}{4}$

35. $\frac{2}{16}$

36. $\frac{9}{12}$

37. $\frac{4}{6}$

38. $\frac{8}{12}$

39. $\frac{15}{20}$

40. $\frac{14}{16}$

41. $\frac{2}{10}$

42. $\frac{25}{30}$

43. $\frac{6}{10}$

44. $\frac{7}{28}$

45. $\frac{24}{48}$

46. $\frac{8}{32}$

47. $\frac{15}{45}$

48. $\frac{48}{64}$

49. $\frac{50}{100}$

50. $\frac{9}{45}$

51. $\frac{18}{27}$

52. $\frac{8}{24}$

53. $\frac{24}{32}$

54. $\frac{36}{48}$

55. $\frac{9}{72}$

56. $\frac{3}{36}$

57. $\frac{8}{20}$

58. $\frac{48}{54}$

Answers for grade 5 skill 10F practice sheet

1. $\frac{1}{2}$	2. $\frac{1}{3}$	3. $\frac{2}{3}$	4. $\frac{2}{5}$	5. $\frac{1}{2}$	6. yes	7. no	8. yes	9. no	10. yes	11. yes	12. yes
13. no	14. no	15. no	16. yes	17. yes	18. yes	19. yes	20. no	21. no	22. no	23. no	24. yes
25. yes	26. no	27. yes	28. no	29. yes	30. yes	31. $\frac{3}{4}$	32. $\frac{1}{4}$	33. $\frac{1}{3}$	34. $\frac{1}{2}$	35. $\frac{1}{8}$	36. $\frac{3}{4}$
37. $\frac{2}{3}$	38. $\frac{2}{3}$	39. $\frac{3}{4}$									
40. $\frac{7}{8}$	41. $\frac{1}{5}$	42. $\frac{5}{6}$	43. $\frac{3}{5}$	44. $\frac{1}{4}$	45. $\frac{1}{2}$	46. $\frac{1}{4}$	47. $\frac{1}{3}$	48. $\frac{3}{4}$	49. $\frac{1}{4}$		
50. $\frac{1}{5}$	51. $\frac{2}{3}$	52. $\frac{1}{3}$	53. $\frac{3}{4}$	54. $\frac{3}{4}$	55. $\frac{1}{8}$	56. $\frac{1}{12}$	57. $\frac{2}{5}$	58. $\frac{8}{9}$			