

Fractions: Skill 5 - 12E

Relate Fractions and Decimals

Decimal to Fraction	Fraction to Decimal
<p data-bbox="305 426 623 468">Use Place Value</p> <p data-bbox="175 489 781 594">0.35 What is the place value of the last digit? The last digit, 5 is in the hundredths place.</p> <p data-bbox="175 646 789 751">$\frac{35}{100}$ The place value of the denominator matches the place value of the last digit in the decimal.</p> <p data-bbox="272 856 607 940">$0.35 = \frac{35}{100} = \frac{7}{20}$</p>	<p data-bbox="1040 426 1278 468">Use Division</p> <p data-bbox="894 499 1349 583">$\frac{2}{4}$ Divide the numerator by the denominator.</p> <p data-bbox="1097 625 1219 804">$\begin{array}{r} 0.5 \\ 4 \overline{)2.0} \\ \underline{-2.0} \\ 0 \end{array}$</p> <p data-bbox="1084 877 1230 961">$\frac{2}{4} = 0.5$</p>

Directions: Write a fraction or mixed number in simplest form.

1. 0.3

2. 0.6

3. 0.4

4. 0.35

5. 0.48

6. 0.15

7. 0.25

8. 0.5

9. 0.2

10. 0.25

11. 0.3

12. 0.8

13. 1.3

14. 2.5

15. 1.25

16. 2.65

17. 0.75

18. 1.6

19. 2.8

20. 0.08

21. 2.07

22. 1.05

23. 5.2

24. 3.1

Fractions: Skill 5 - 12E

Relate Fractions and Decimals**Directions:** Write a decimal for each fraction or mixed number.

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

26. $\frac{1}{4}$

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

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

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

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

31. $\frac{3}{5}$

32. $\frac{15}{100}$

33. $\frac{4}{5}$

34. $\frac{5}{10}$

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

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

37. $1\frac{2}{4}$

38. $3\frac{2}{5}$

39. $4\frac{1}{2}$

40. $1\frac{4}{10}$

41. $3\frac{3}{4}$

42. $1\frac{1}{100}$

43. $3\frac{5}{100}$

44. $7\frac{4}{5}$

45. $2\frac{9}{10}$

46. $5\frac{50}{100}$

47. $2\frac{3}{5}$

48. $3\frac{1}{4}$

Answers: Skill 12E, Grade 5

1. $\frac{3}{10}$

2. $\frac{6}{10}$ or $\frac{3}{5}$

3. $\frac{4}{10}$

4. $\frac{35}{100}$ or $\frac{7}{20}$

5. $\frac{48}{100}$ or $\frac{12}{25}$

6. $\frac{15}{100}$ or $\frac{3}{20}$

7. $\frac{1}{4}$

8. $\frac{5}{10}$ or $\frac{1}{2}$

9. $\frac{2}{10}$ or $\frac{1}{5}$

10. $\frac{1}{4}$

11. $\frac{3}{10}$

12. $\frac{8}{10}$ or $\frac{4}{5}$

13. $1\frac{3}{10}$

14. $2\frac{50}{100}$ or $2\frac{1}{2}$

15. $1\frac{25}{100}$ or $1\frac{1}{4}$

16. $2\frac{65}{100}$ or $2\frac{13}{20}$

17. $\frac{75}{100}$ or $\frac{3}{4}$

18. $1\frac{6}{10}$

19. $2\frac{8}{10}$ or $2\frac{4}{5}$

20. $\frac{8}{100}$ or $\frac{2}{25}$

21. $2\frac{7}{100}$

22. $1\frac{5}{100}$ or $1\frac{1}{20}$

23. $5\frac{2}{10}$ or $5\frac{1}{5}$

24. $3\frac{1}{10}$

25. 0.5

26. 0.25

27. 0.2

28. 0.75

29. 0.9

30. 0.5

31. 0.6

32. 0.15

33. 0.8

34. 0.5

35. 0.08

36. 0.5

37. 1.5

38. 1.4

39. 3.75

40. 1.4

41. 3.75

42. 1.01

43. 3.05

44. 7.8

45. 2.9

46. 5.5

47. 2.6

48. 3.25