

Write each as a decimal.

1. $\begin{array}{r} 4 \\ 99 \underline{\hspace{1cm}} \\ 10 \end{array}$	2. four and two tenths	3. ninety-three and three tenths	4. $\begin{array}{r} 1 \\ 8 \underline{\hspace{1cm}} \\ 10 \end{array}$
5. seventy-seven and nine tenths	6. $\begin{array}{r} 3 \\ 7 \underline{\hspace{1cm}} \\ 10 \end{array}$	7. $\begin{array}{r} 2 \\ 3 \underline{\hspace{1cm}} \\ 10 \end{array}$	8. ninety-five and eight tenths
9. $\begin{array}{r} 6 \\ 30 \underline{\hspace{1cm}} \\ 10 \end{array}$	10. $\begin{array}{r} 5 \\ 61 \underline{\hspace{1cm}} \\ 10 \end{array}$	11. one and one tenth	12. two and seven tenths
13. $\begin{array}{r} 7 \\ 31 \underline{\hspace{1cm}} \\ 10 \end{array}$	14. thirty-seven and five tenths	15. $\begin{array}{r} 9 \\ 6 \underline{\hspace{1cm}} \\ 10 \end{array}$	16. five and six tenths
17. $\begin{array}{r} 8 \\ 49 \underline{\hspace{1cm}} \\ 10 \end{array}$	18. thirty-two and four tenths	19. $\begin{array}{r} 8 \\ 9 \underline{\hspace{1cm}} \\ 10 \end{array}$	20. nine and eight tenths
21. $\begin{array}{r} 4 \\ 68 \underline{\hspace{1cm}} \\ 10 \end{array}$	22. six and one tenth	23. $\begin{array}{r} 3 \\ 64 \underline{\hspace{1cm}} \\ 10 \end{array}$	24. one and six tenths
25. $\begin{array}{r} 1 \\ 29 \underline{\hspace{1cm}} \\ 10 \end{array}$	26. $\begin{array}{r} 6 \\ 67 \underline{\hspace{1cm}} \\ 10 \end{array}$	27. eight and four tenths	28. twenty-five and five tenths
29. eighty-one and two tenths	30. $\begin{array}{r} 5 \\ 5 \underline{\hspace{1cm}} \\ 10 \end{array}$	31. $\begin{array}{r} 7 \\ 33 \underline{\hspace{1cm}} \\ 10 \end{array}$	32. four and three tenths
33. $\begin{array}{r} 9 \\ 7 \underline{\hspace{1cm}} \\ 10 \end{array}$	34. seventy and nine tenths	35. $\begin{array}{r} 9 \\ 8 \underline{\hspace{1cm}} \\ 10 \end{array}$	36. thirty-six and nine tenths

List all of the factors of each number.

1. 26	2. 21	3. 25	4. 27
5. 42	6. 17	7. 33	8. 23
9. 37	10. 22	11. 48	12. 12
13. 35	14. 32	15. 36	16. 34
17. 61	18. 97	19. 53	20. 40
21. 52	22. 60	23. 31	24. 50
25. 90	26. 38	27. 74	28. 16
29. 89	30. 44	31. 28	32. 20
33. 94	34. 29	35. 78	36. 95
37. 76	38. 14	39. 51	40. 39

Add Fractions

Find the sum. Write your answer as a mixed number in simplest form.

1. $\begin{array}{r} 2 \\ \hline 8 \\ \\ 2 \\ \hline + \quad \hline 4 \\ \hline \end{array}$	2. $\begin{array}{r} 1 \\ \hline 2 \\ \\ 4 \\ \hline + \quad \hline 6 \\ \hline \end{array}$	3. $\begin{array}{r} 1 \\ \hline 6 \\ \\ 5 \\ \hline + \quad \hline 9 \\ \hline \end{array}$	4. $\begin{array}{r} 6 \\ \hline 7 \\ \\ 1 \\ \hline + \quad \hline 2 \\ \hline \end{array}$	5. $\begin{array}{r} 4 \\ \hline 9 \\ \\ 1 \\ \hline + \quad \hline 2 \\ \hline \end{array}$
6. $\begin{array}{r} 1 \\ \hline 3 \\ \\ 3 \\ \hline + \quad \hline 6 \\ \hline \end{array}$	7. $\begin{array}{r} 3 \\ \hline 5 \\ \\ 1 \\ \hline + \quad \hline 2 \\ \hline \end{array}$	8. $\begin{array}{r} 2 \\ \hline 4 \\ \\ 1 \\ \hline + \quad \hline 8 \\ \hline \end{array}$	9. $\begin{array}{r} 4 \\ \hline 5 \\ \\ 1 \\ \hline + \quad \hline 2 \\ \hline \end{array}$	10. $\begin{array}{r} 6 \\ \hline 9 \\ \\ 1 \\ \hline + \quad \hline 3 \\ \hline \end{array}$
11. $\begin{array}{r} 5 \\ \hline 7 \\ \\ 1 \\ \hline + \quad \hline 2 \\ \hline \end{array}$	12. $\begin{array}{r} 2 \\ \hline 3 \\ \\ 4 \\ \hline + \quad \hline 5 \\ \hline \end{array}$	13. $\begin{array}{r} 1 \\ \hline 2 \\ \\ 2 \\ \hline + \quad \hline 5 \\ \hline \end{array}$	14. $\begin{array}{r} 4 \\ \hline 6 \\ \\ 1 \\ \hline + \quad \hline 3 \\ \hline \end{array}$	15. $\begin{array}{r} 7 \\ \hline 8 \\ \\ 3 \\ \hline + \quad \hline 4 \\ \hline \end{array}$

16.	3 — 4 1 — + 3 _____	17.	1 — 2 3 — + 6 _____	18.	6 — 9 2 — + 6 _____	19.	5 — 8 1 — + 4 _____	20.	2 — 6 7 — + 12 _____
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Compare. Write <, >, or =.

1. $\frac{1}{8} \bigcirc \frac{6}{8}$	2. $\frac{1}{6} \bigcirc \frac{1}{2}$	3. $\frac{2}{4} \bigcirc 1$
4. $\frac{4}{7} \bigcirc \frac{2}{7}$	5. $\frac{9}{10} \bigcirc \frac{8}{10}$	6. $\frac{1}{2} \bigcirc 1$
7. $\frac{1}{8} \bigcirc \frac{1}{5}$	8. $\frac{2}{6} \bigcirc \frac{4}{6}$	9. $\frac{2}{8} \bigcirc \frac{2}{10}$
10. $\frac{2}{3} \bigcirc \frac{1}{3}$	11. $\frac{1}{3} \bigcirc \frac{1}{2}$	12. $\frac{3}{4} \bigcirc \frac{2}{4}$
13. $\frac{1}{3} \bigcirc 1$	14. $\frac{1}{5} \bigcirc \frac{1}{10}$	15. $\frac{3}{5} \bigcirc 1$
16. $\frac{7}{9} \bigcirc \frac{4}{9}$	17. $\frac{2}{6} \bigcirc \frac{2}{3}$	18. $\frac{6}{7} \bigcirc \frac{5}{7}$
19. $\frac{1}{4} \bigcirc \frac{1}{10}$	20. $\frac{5}{6} \bigcirc 1$	21. $\frac{2}{4} \bigcirc \frac{1}{4}$
22. $\frac{1}{10} \bigcirc \frac{1}{2}$	23. $\frac{1}{4} \bigcirc \frac{1}{7}$	24. $\frac{6}{9} \bigcirc \frac{8}{9}$
25. $1 \bigcirc \frac{6}{8}$	26. $\frac{1}{2} \bigcirc \frac{1}{5}$	27. $\frac{1}{9} \bigcirc \frac{1}{5}$
28. $\frac{4}{8} \bigcirc \frac{3}{8}$	29. $\frac{5}{10} \bigcirc \frac{7}{10}$	30. $\frac{4}{10} \bigcirc 1$

Complete. Write your answer as a mixed number in simplest form.

<p>1.</p> $\begin{array}{r} 4 \\ \hline 6 \end{array}$ $\begin{array}{r} 1 \\ \hline 4 \\ - \end{array}$ <hr/>	<p>2.</p> $\begin{array}{r} 1 \\ 2 \\ \hline 7 \end{array}$ $\begin{array}{r} 1 \\ 2 \\ \hline 2 \\ + \end{array}$ <hr/>	<p>3.</p> $\begin{array}{r} 2 \\ 4 \\ \hline 5 \end{array}$ $\begin{array}{r} 8 \\ 6 \\ \hline 10 \\ + \end{array}$ <hr/>	<p>4.</p> $\begin{array}{r} 1 \\ 6 \\ \hline 2 \end{array}$ $\begin{array}{r} 2 \\ \hline 5 \\ - \end{array}$ <hr/>	<p>5.</p> $\begin{array}{r} 7 \\ 3 \\ \hline 8 \end{array}$ $\begin{array}{r} 1 \\ 5 \\ \hline 2 \\ + \end{array}$ <hr/>
<p>6.</p> $\begin{array}{r} 6 \\ 1 \\ \hline 9 \end{array}$ $\begin{array}{r} 3 \\ 3 \\ \hline 6 \\ + \end{array}$ <hr/>	<p>7.</p> $\begin{array}{r} 2 \\ 6 \\ \hline 3 \end{array}$ $\begin{array}{r} 1 \\ 4 \\ \hline 2 \\ - \end{array}$ <hr/>	<p>8.</p> $\begin{array}{r} 1 \\ 3 \\ \hline 2 \end{array}$ $\begin{array}{r} 1 \\ \hline 4 \\ - \end{array}$ <hr/>	<p>9.</p> $\begin{array}{r} 1 \\ 5 \\ \hline 8 \end{array}$ $\begin{array}{r} 2 \\ 4 \\ \hline 4 \\ + \end{array}$ <hr/>	<p>10.</p> $\begin{array}{r} 6 \\ 4 \\ \hline 9 \end{array}$ $\begin{array}{r} 1 \\ 1 \\ \hline 2 \\ - \end{array}$ <hr/>
<p>11.</p> $\begin{array}{r} 8 \\ 1 \\ \hline 12 \end{array}$ $\begin{array}{r} 1 \\ 1 \\ \hline 3 \\ - \end{array}$ <hr/>	<p>12.</p> $\begin{array}{r} 2 \\ \hline 5 \end{array}$ $\begin{array}{r} 1 \\ 6 \\ \hline 2 \\ + \end{array}$ <hr/>	<p>13.</p> $\begin{array}{r} 4 \\ 2 \\ \hline 7 \end{array}$ $\begin{array}{r} 1 \\ \hline 2 \\ - \end{array}$ <hr/>	<p>14.</p> $\begin{array}{r} 3 \\ 4 \\ \hline 4 \end{array}$ $\begin{array}{r} 3 \\ 4 \\ \hline 6 \\ + \end{array}$ <hr/>	<p>15.</p> $\begin{array}{r} 5 \\ 3 \\ \hline 6 \end{array}$ $\begin{array}{r} 1 \\ \hline 4 \\ - \end{array}$ <hr/>

16.	17.	18.	19.	20.
$\begin{array}{r} 4 \\ 6 \underline{} \\ 6 \end{array}$ $\begin{array}{r} 1 \\ 1 \underline{} \\ + 2 \end{array}$ <hr/>	$\begin{array}{r} 6 \\ 5 \underline{} \\ 8 \end{array}$ $\begin{array}{r} 1 \\ 5 \underline{} \\ - 4 \end{array}$ <hr/>	$\begin{array}{r} 3 \\ 2 \underline{} \\ 8 \end{array}$ $\begin{array}{r} 2 \\ 2 \underline{} \\ + 4 \end{array}$ <hr/>	$\begin{array}{r} 5 \\ \underline{} \\ 9 \end{array}$ $\begin{array}{r} 1 \\ \underline{} \\ - 2 \end{array}$ <hr/>	$\begin{array}{r} 2 \\ 1 \underline{} \\ 7 \end{array}$ $\begin{array}{r} 1 \\ 4 \underline{} \\ + 2 \end{array}$ <hr/>

Subtract Fractions

Find the difference. Write your answer as a mixed number in simplest form.

1. $\begin{array}{r} 2 \\ \hline 3 \\ \\ 2 \\ \hline - 5 \\ \hline \end{array}$	2. $\begin{array}{r} 5 \\ \hline 9 \\ \\ 1 \\ \hline - 2 \\ \hline \end{array}$	3. $\begin{array}{r} 3 \\ \hline 4 \\ \\ 1 \\ \hline - 6 \\ \hline \end{array}$	4. $\begin{array}{r} 2 \\ \hline 3 \\ \\ 1 \\ \hline - 4 \\ \hline \end{array}$	5. $\begin{array}{r} 4 \\ \hline 8 \\ \\ 2 \\ \hline - 4 \\ \hline \end{array}$
6. $\begin{array}{r} 1 \\ \hline 2 \\ \\ 1 \\ \hline - 9 \\ \hline \end{array}$	7. $\begin{array}{r} 5 \\ \hline 6 \\ \\ 1 \\ \hline - 2 \\ \hline \end{array}$	8. $\begin{array}{r} 6 \\ \hline 8 \\ \\ 3 \\ \hline - 4 \\ \hline \end{array}$	9. $\begin{array}{r} 1 \\ \hline 2 \\ \\ 3 \\ \hline - 7 \\ \hline \end{array}$	10. $\begin{array}{r} 5 \\ \hline 6 \\ \\ 3 \\ \hline - 4 \\ \hline \end{array}$
11. $\begin{array}{r} 10 \\ \hline 12 \\ \\ 1 \\ \hline - 2 \\ \hline \end{array}$	12. $\begin{array}{r} 2 \\ \hline 3 \\ \\ 6 \\ \hline - 12 \\ \hline \end{array}$	13. $\begin{array}{r} 6 \\ \hline 9 \\ \\ 2 \\ \hline - 3 \\ \hline \end{array}$	14. $\begin{array}{r} 2 \\ \hline 4 \\ \\ 1 \\ \hline - 8 \\ \hline \end{array}$	15. $\begin{array}{r} 3 \\ \hline 4 \\ \\ 1 \\ \hline - 2 \\ \hline \end{array}$

16.	6	17.	2	18.	1	19.	6	20.	5
	$\overline{9}$		$\overline{3}$		$\overline{3}$		$\overline{9}$		$\overline{7}$
	3		3		1		1		1
	$\overline{6}$		$\overline{5}$		$\overline{5}$		$\overline{2}$		$\overline{2}$
	-		-		-		-		-
	$\underline{\hspace{1cm}}$		$\underline{\hspace{1cm}}$		$\underline{\hspace{1cm}}$		$\underline{\hspace{1cm}}$		$\underline{\hspace{1cm}}$

Multiply. Write your answer as a mixed number in simplest form.

1. $\frac{3}{6} \times \frac{1}{4} =$	2. $\frac{11}{12} \times \frac{2}{3} =$	3. $\frac{1}{2} \times 1 =$	4. $\frac{2}{8} \times \frac{2}{4} =$
5. $4 \times \frac{1}{2} =$	6. $\frac{4}{10} \times \frac{1}{2} =$	7. $\frac{5}{11} \times 7 =$	8. $5 \times \frac{3}{7} =$
9. $\frac{1}{7} \times \frac{9}{11} =$	10. $\frac{2}{4} \times \frac{1}{2} =$	11. $\frac{3}{11} \times \frac{5}{8} =$	12. $\frac{1}{4} \times \frac{7}{10} =$
13. $6 \times \frac{8}{9} =$	14. $\frac{1}{10} \times \frac{6}{10} =$	15. $\frac{4}{6} \times \frac{4}{7} =$	16. $\frac{6}{9} \times \frac{3}{7} =$
17. $\frac{3}{8} \times 3 =$	18. $\frac{11}{12} \times 8 =$	19. $9 \times \frac{4}{5} =$	20. $\frac{6}{7} \times \frac{5}{7} =$
21. $\frac{4}{5} \times \frac{6}{12} =$	22. $\frac{2}{7} \times \frac{3}{7} =$	23. $\frac{7}{10} \times \frac{8}{10} =$	24. $\frac{5}{9} \times 2 =$
25. $\frac{1}{3} \times \frac{5}{7} =$	26. $4 \times \frac{2}{3} =$	27. $\frac{6}{8} \times \frac{1}{2} =$	28. $\frac{5}{12} \times \frac{3}{8} =$
29. $\frac{1}{4} \times \frac{1}{10} =$	30. $\frac{5}{6} \times \frac{5}{12} =$	31. $\frac{2}{5} \times 9 =$	32. $\frac{1}{2} \times \frac{6}{7} =$
33. $\frac{8}{9} \times \frac{8}{9} =$	34. $\frac{1}{4} \times \frac{4}{12} =$	35. $2 \times \frac{6}{7} =$	36. $\frac{4}{10} \times \frac{4}{6} =$
37. $\frac{2}{3} \times \frac{7}{11} =$	38. $\frac{3}{5} \times \frac{3}{6} =$	39. $\frac{6}{7} \times 6 =$	40. $3 \times \frac{1}{4} =$

Multiply. Write the answer in simplest form.

1. $\frac{1}{9} \cdot \frac{1}{12}$ $\frac{\quad}{4} \cdot \frac{\quad}{2}$	2. $\frac{4}{8} \cdot \frac{2}{3}$	3. $\frac{8}{9} \cdot \frac{5}{7}$
4. $\frac{3}{4} \cdot \frac{1}{5}$ $\frac{\quad}{5} \cdot \frac{\quad}{6}$	5. $\frac{2}{5} \cdot \frac{5}{8}$ $\frac{\quad}{5} \cdot \frac{1}{8}$	6. $\frac{4}{7} \cdot \frac{3}{11}$ $\frac{2}{7} \cdot \frac{11}{4}$
7. $\frac{2}{9} \cdot \frac{1}{5}$ $\frac{\quad}{9} \cdot \frac{\quad}{3}$	8. $\frac{8}{11} \cdot \frac{7}{6}$ $\frac{\quad}{11} \cdot \frac{\quad}{12}$	9. $\frac{13}{7} \cdot \frac{16}{14}$ $\frac{7}{14} \cdot \frac{\quad}{19}$
10. $\frac{4}{10} \cdot \frac{6}{1}$ $\frac{10}{6} \cdot \frac{1}{9}$	11. $\frac{1}{4} \cdot \frac{5}{5}$ $\frac{4}{5} \cdot \frac{\quad}{16}$	12. $\frac{2}{9} \cdot \frac{2}{10}$ $\frac{9}{18} \cdot \frac{\quad}{3}$
13. $\frac{11}{2} \cdot \frac{3}{12}$ $\frac{2}{12} \cdot \frac{\quad}{4}$	14. $\frac{4}{7} \cdot \frac{1}{12}$ $\frac{7}{8} \cdot \frac{\quad}{7}$	15. $\frac{10}{8} \cdot \frac{12}{11}$ $\frac{8}{11} \cdot \frac{\quad}{15}$
16. $\frac{16}{5} \cdot \frac{9}{11}$ $\frac{5}{19} \cdot \frac{11}{13}$	17. $\frac{15}{17} \cdot \frac{5}{6}$ $\frac{\quad}{17} \cdot \frac{\quad}{18}$	18. $\frac{1}{2} \cdot \frac{1}{3}$ $\frac{\quad}{2} \cdot \frac{\quad}{5}$
19. $\frac{2}{2} \cdot \frac{5}{3}$ $\frac{2}{3} \cdot \frac{\quad}{8}$	20. $\frac{3}{1} \cdot \frac{12}{10}$ $\frac{1}{10} \cdot \frac{\quad}{17}$	21. $\frac{6}{3} \cdot \frac{4}{7}$ $\frac{3}{7} \cdot \frac{7}{12}$
22. $\frac{8}{11} \cdot \frac{13}{12}$ $\frac{11}{15} \cdot \frac{\quad}{14}$	23. $\frac{3}{4} \cdot \frac{2}{9}$ $\frac{\quad}{4} \cdot \frac{\quad}{18}$	24. $\frac{1}{3} \cdot \frac{1}{8}$ $\frac{\quad}{3} \cdot \frac{\quad}{2}$