

## LESSON 22

# Subtraction Of Unlike Fractions

The difference of two unlike fractions can be found by making equivalent fractions with a common denominator and then subtracting the numerators.

Example: Subtract  $\frac{2}{5} - \frac{1}{7}$

Solution:  $\frac{2}{5} - \frac{1}{7}$

$$\frac{14 - 5}{35} = \frac{9}{35}$$

Since:  $\frac{(2 \times 7) - (5 \times 1)}{(5 \times 7)} = \frac{14 - 5}{35} = \frac{9}{35}$

# Subtract Using The Product Of The Denominators

<p>1.</p> $\frac{8}{9} - \frac{1}{4}$ $\frac{32 - 9}{36} = \frac{23}{36}$	<p>6.</p> $\frac{3}{4} - \frac{1}{5}$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$	<p>11.</p> $\frac{3}{4} - \frac{2}{5}$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
<p>2.</p> $\frac{5}{6} - \frac{1}{5}$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$	<p>7.</p> $\frac{3}{8} - \frac{1}{5}$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$	<p>12.</p> $\frac{5}{9} - \frac{1}{5}$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
<p>3.</p> $\frac{1}{5} - \frac{1}{8}$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$	<p>8.</p> $\frac{1}{5} - \frac{1}{7}$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$	<p>13.</p> $\frac{2}{7} - \frac{1}{5}$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
<p>4.</p> $\frac{4}{9} - \frac{1}{5}$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$	<p>9.</p> $\frac{3}{4} - \frac{4}{7}$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$	<p>14.</p> $\frac{5}{7} - \frac{2}{5}$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
<p>5.</p> $\frac{4}{5} - \frac{3}{4}$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$	<p>10.</p> $\frac{3}{4} - \frac{1}{7}$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$	<p>15.</p> $\frac{3}{4} - \frac{2}{7}$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

# Subtract Using The Product Of The Denominators

16. $\frac{3}{4} - \frac{3}{5}$ _____ = _____	21. $\frac{3}{4} - \frac{1}{9}$ _____ = _____	26. $\frac{3}{4} - \frac{2}{9}$ _____ = _____
17. $\frac{4}{7} - \frac{2}{5}$ _____ = _____	22. $\frac{8}{9} - \frac{1}{5}$ _____ = _____	27. $\frac{3}{7} - \frac{2}{5}$ _____ = _____
18. $\frac{3}{4} - \frac{5}{7}$ _____ = _____	23. $\frac{6}{7} - \frac{3}{4}$ _____ = _____	28. $\frac{2}{5} - \frac{1}{8}$ _____ = _____
19. $\frac{7}{9} - \frac{1}{5}$ _____ = _____	24. $\frac{6}{7} - \frac{2}{5}$ _____ = _____	29. $\frac{7}{9} - \frac{3}{4}$ _____ = _____
20. $\frac{3}{4} - \frac{3}{7}$ _____ = _____	25. $\frac{2}{5} - \frac{1}{9}$ _____ = _____	30. $\frac{2}{5} - \frac{3}{8}$ _____ = _____

# Subtract Using The Product Of The Denominators

31. $\frac{3}{4} - \frac{4}{9}$ _____ = _____	36. $\frac{3}{4} - \frac{5}{9}$ _____ = _____	41. $\frac{5}{6} - \frac{2}{5}$ _____ = _____
32. $\frac{5}{8} - \frac{2}{5}$ _____ = _____	37. $\frac{3}{7} - \frac{1}{5}$ _____ = _____	42. $\frac{4}{7} - \frac{1}{5}$ _____ = _____
33. $\frac{5}{8} - \frac{1}{5}$ _____ = _____	38. $\frac{7}{8} - \frac{1}{5}$ _____ = _____	43. $\frac{1}{5} - \frac{1}{9}$ _____ = _____
34. $\frac{8}{9} - \frac{3}{4}$ _____ = _____	39. $\frac{2}{5} - \frac{2}{7}$ _____ = _____	44. $\frac{6}{7} - \frac{1}{5}$ _____ = _____
35. $\frac{2}{5} - \frac{1}{6}$ _____ = _____	40. $\frac{1}{5} - \frac{1}{6}$ _____ = _____	45. $\frac{5}{7} - \frac{1}{5}$ _____ = _____