

SUBTRACTING FRACTIONS WITH UNLIKE DENOMINATORS

ANSWERS

HELPFUL EXAMPLE

$$\frac{4}{5} - \frac{3}{10} = \frac{8}{10} - \frac{3}{10} = \frac{5 \div 5}{10 \div 5} = \frac{1}{2}$$

SIMPLIFY.

COMMON DENOMINATOR IS 10.

DIVIDE BOTH BY 5.

SOMETIMES YOU WILL NEED TO **SIMPLIFY**. REMEMBER, YOU MUST DO THE SAME TO THE NUMERATOR AND DENOMINATOR, OR WHAT EVER YOU DO TO THE TOP YOU MUST DO TO THE BOTTOM.

SUBTRACT. SIMPLIFY WHEN NEEDED.

$$1. \frac{5}{12} - \frac{1}{4} = \frac{1}{6} \quad 2. \frac{2}{3} - \frac{3}{8} = \frac{7}{24} \quad 3. \frac{11}{14} - \frac{2}{7} = \frac{1}{2} \quad 4. \frac{17}{18} - \frac{1}{9} = \frac{5}{6}$$

$$5. \frac{12}{21} - \frac{2}{7} = \frac{2}{7} \quad 6. \frac{5}{6} - \frac{1}{2} = \frac{1}{3} \quad 7. \frac{14}{15} - \frac{5}{9} = \frac{17}{45} \quad 8. \frac{2}{5} - \frac{2}{10} = \frac{1}{5}$$

$$9. \frac{7}{8} - \frac{5}{7} = \frac{9}{56} \quad 10. \frac{2}{3} - \frac{4}{15} = \frac{2}{5} \quad 11. \frac{19}{24} - \frac{1}{6} = \frac{5}{8} \quad 12. \frac{11}{12} - \frac{5}{16} = \frac{29}{48}$$

$$13. \frac{5}{18} - \frac{1}{9} = \frac{1}{6} \quad 14. \frac{1}{2} - \frac{3}{14} = \frac{2}{7} \quad 15. \frac{6}{11} - \frac{5}{33} = \frac{13}{33} \quad 16. \frac{12}{15} - \frac{3}{4} = \frac{1}{20}$$

$$17. \frac{5}{6} - \frac{11}{14} = \frac{1}{21} \quad 18. \frac{19}{21} - \frac{3}{4} = \frac{13}{84} \quad 19. \frac{1}{2} - \frac{7}{20} = \frac{3}{20} \quad 20. \frac{11}{12} - \frac{1}{4} = \frac{2}{3}$$

$$21. \frac{13}{18} - \frac{3}{24} = \frac{43}{72} \quad 22. \frac{1}{2} - \frac{5}{20} = \frac{1}{4} \quad 23. \frac{5}{7} - \frac{1}{3} = \frac{8}{21} \quad 24. \frac{15}{18} - \frac{1}{6} = \frac{2}{3}$$

$$25. \frac{1}{4} - \frac{3}{20} = \frac{1}{10} \quad 26. \frac{19}{27} - \frac{23}{54} = \frac{5}{18} \quad 27. \frac{5}{5} - \frac{2}{7} = \frac{5}{7} \quad 28. \frac{19}{20} - \frac{3}{4} = \frac{1}{5}$$