

# ADDING and SUBTRACTING FRACTIONS WITH COMMON DENOMINATOR



## EXAMPLES

$$A. \frac{1}{9} + \frac{3}{9} = \frac{4}{9}$$

$$B. \frac{3}{7} - \frac{1}{7} = \frac{2}{7}$$

IF THE DENOMINATORS ARE  
SAME, SIMPLY ADD THE  
NUMERATORS (TOP NUMBERS)

IF THE DENOMINATORS ARE  
SAME, SIMPLY SUBTRACT THE  
NUMERATORS (TOP NUMBERS)

## NOW YOUR TURN..

$$1. \frac{2}{5} + \frac{1}{5} = \frac{3}{5} \quad 2. \frac{4}{7} + \frac{2}{7} = \frac{6}{7} \quad 3. \frac{2}{8} + \frac{5}{8} = \frac{7}{8} \quad 4. \frac{3}{5} + \frac{1}{5} = \frac{4}{5}$$

$$5. \frac{2}{6} + \frac{3}{6} = \frac{5}{6} \quad 6. \frac{4}{17} + \frac{1}{17} = \frac{5}{17} \quad 7. \frac{3}{8} + \frac{4}{8} = \frac{7}{8} \quad 8. \frac{1}{3} + \frac{1}{3} = \frac{2}{3}$$

## SUBTRACT

$$9. \frac{7}{11} - \frac{1}{11} = \frac{6}{11} \quad 10. \frac{8}{33} - \frac{3}{33} = \frac{5}{33} \quad 11. \frac{2}{5} - \frac{1}{5} = \frac{1}{5} \quad 12. \frac{23}{40} - \frac{12}{40} = \frac{11}{40}$$

$$13. \frac{2}{4} - \frac{1}{4} = \frac{1}{4} \quad 14. \frac{5}{9} - \frac{4}{9} = \frac{1}{9} \quad 15. \frac{11}{27} - \frac{3}{27} = \frac{8}{27} \quad 16. \frac{3}{4} - \frac{1}{4} = \frac{2}{4}$$

## EXAMPLES

$$C. \frac{5}{10} + \frac{3}{10} = \frac{8}{10} \div 2 = \frac{4}{5}$$

$$D. \frac{11}{27} - \frac{2}{27} = \frac{9}{27} \div 9 = \frac{1}{3}$$

AFTER YOU ADD OR SUBTRACT YOU  
MIGHT NEED TO SIMPLIFY

WHEN YOU SIMPLIFY YOU MUST DO THE SAME  
THING TO NUMERATOR AND DENOMINATOR

## NOW YOUR TURN.. ADD OR SUBTRACT AND WRITE IN THE SIMPLEST FORM

$$17. \frac{2}{6} + \frac{1}{6} = \frac{1}{2} \quad 18. \frac{2}{33} + \frac{9}{33} = \frac{1}{3} \quad 19. \frac{8}{9} - \frac{5}{9} = \frac{1}{3} \quad 20. \frac{8}{10} - \frac{4}{10} = \frac{2}{5}$$

