

ADDING and SUBTRACTING FRACTIONS WITH COMMON DENOMINATORS

ANSWERS

A. $\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$

HELPFUL EXAMPLES

B. $\frac{7}{10} - \frac{4}{10} = \frac{3}{10}$

ADD THE NUMERATORS (TOP NUMBERS).
THE DENOMINATORS ARE THE SAME SO
DO NOT CHANGE THEM.

DO THE SAME THING FOR SUBTRACTION.
SUBTRACT THE NUMERATORS (TOP NUMBERS),
BUT KEEP THE DENOMINATOR THE SAME.

NOW YOUR TURN. ADD THE FRACTIONS BELOW.

1. $\frac{2}{7} + \frac{3}{7} = \frac{5}{7}$

2. $\frac{1}{5} + \frac{1}{5} = \frac{2}{5}$

3. $\frac{6}{11} + \frac{3}{11} = \frac{9}{11}$

4. $\frac{3}{15} + \frac{4}{15} = \frac{7}{15}$

5. $\frac{1}{8} + \frac{2}{8} = \frac{3}{8}$

6. $\frac{4}{13} + \frac{7}{13} = \frac{11}{13}$

7. $\frac{5}{10} + \frac{2}{10} = \frac{7}{10}$

8. $\frac{11}{25} + \frac{13}{25} = \frac{24}{25}$

SUBTRACT.

9. $\frac{8}{12} - \frac{7}{12} = \frac{1}{12}$

10. $\frac{15}{16} - \frac{10}{16} = \frac{5}{16}$

11. $\frac{7}{9} - \frac{7}{9} = 0$

12. $\frac{6}{6} - \frac{1}{6} = \frac{5}{6}$

13. $\frac{25}{33} - \frac{11}{33} = \frac{14}{33}$

14. $\frac{19}{20} - \frac{12}{20} = \frac{7}{20}$

15. $\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$

16. $\frac{14}{17} - \frac{9}{17} = \frac{5}{17}$

HELPFUL EXAMPLES

C. $\frac{3}{8} + \frac{3}{8} = \frac{6}{8} \div 2 = \frac{3}{4}$

D. $\frac{11}{15} - \frac{8}{15} = \frac{3}{15} \div 3 = \frac{1}{5}$

AFTER YOU ADD OR SUBTRACT YOU
MIGHT NEED TO **SIMPLIFY**.

WHEN YOU **SIMPLIFY** YOU MUST DO THE SAME THING TO
THE NUMERATOR AND DENOMINATOR, OR WHAT EVER
YOU DO TO THE TOP YOU MUST DO TO THE BOTTOM.

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

17. $\frac{7}{12} + \frac{2}{12} = \frac{9}{12} = \frac{3}{4}$

18. $\frac{1}{6} + \frac{5}{6} = \frac{6}{6} = 1$

19. $\frac{8}{9} - \frac{2}{9} = \frac{6}{9} = \frac{2}{3}$

20. $\frac{10}{14} - \frac{7}{14} = \frac{3}{14}$