

SUBTRACTING FRACTIONS WITH UNLIKE DENOMINATORS

HELPFUL EXAMPLE

$$\frac{5}{6} - \frac{3}{4} \rightarrow$$

FIND THE LEAST COMMON MULTIPLE	
1 X 6 = 6	1 X 4 = 4
2 X 6 = 12 **	2 X 4 = 8
3 X 6 = 18	3 X 4 = 12 **
4 X 6 = 24	4 X 4 = 16
	5 X 4 = 20
	6 X 4 = 24
** THEY HAVE 12 IN COMMON **	

$$\left\{ \begin{array}{l} \frac{5}{6} \times \frac{2}{2} = \frac{10}{12} \\ \frac{3}{4} \times \frac{3}{3} = \frac{9}{12} \end{array} \right\}$$

CHANGE THE DENOMINATORS (BOTTOM NUMBERS) TO 12, BUT REMEMBER, WHAT EVER YOU DO TO THE BOTTOM YOU NEED TO DO TO THE TOP!

ANSWERS

NOW WE CAN SUBTRACT

$$\frac{10}{12} - \frac{9}{12} = \frac{1}{12}$$

SEE THE COMMON DENOMINATOR?

SUBTRACT.

1. $\frac{1}{2} - \frac{3}{7} = \frac{1}{14}$

2. $\frac{4}{9} - \frac{1}{3} = \frac{1}{9}$

3. $\frac{5}{6} - \frac{2}{5} = \frac{13}{30}$

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

5. $\frac{2}{3} - \frac{6}{11} = \frac{4}{33}$

6. $\frac{4}{9} - \frac{1}{6} = \frac{5}{18}$

7. $\frac{3}{4} - \frac{3}{8} = \frac{3}{8}$

8. $\frac{4}{5} - \frac{3}{13} = \frac{37}{65}$

9. $\frac{9}{12} - \frac{3}{4} = 0$

10. $\frac{5}{8} - \frac{2}{5} = \frac{9}{40}$

11. $\frac{5}{7} - \frac{9}{14} = \frac{1}{14}$

12. $\frac{8}{11} - \frac{7}{10} = \frac{3}{110}$

13. $\frac{5}{6} - \frac{4}{15} = \frac{17}{30}$

14. $\frac{11}{18} - \frac{1}{3} = \frac{5}{18}$

15. $\frac{7}{16} - \frac{1}{6} = \frac{13}{48}$

16. $\frac{7}{8} - \frac{7}{10} = \frac{7}{40}$

17. $\frac{8}{9} - \frac{3}{5} = \frac{13}{45}$

18. $\frac{4}{5} - \frac{4}{7} = \frac{8}{35}$

19. $\frac{3}{8} - \frac{5}{16} = \frac{1}{16}$

20. $\frac{11}{14} - \frac{1}{4} = \frac{15}{28}$

21. $\frac{7}{10} - \frac{1}{4} = \frac{9}{20}$

22. $\frac{5}{6} - \frac{4}{11} = \frac{31}{66}$

23. $\frac{11}{12} - \frac{4}{7} = \frac{29}{84}$

24. $\frac{2}{3} - \frac{2}{5} = \frac{4}{15}$