

SUBTRACTING FRACTIONS WITH UNLIKE DENOMINATORS

NAME: _____

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 **

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

NOW WE CAN SUBTRACT

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

SEE THE COMMON DENOMINATOR?

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

SUBTRACT.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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