

ADDING FRACTIONS WITH UNLIKE DENOMINATORS

ANSWERS

HELPFUL EXAMPLE

$$\frac{1}{2} + \frac{2}{5} \rightarrow$$

FIND THE LEAST COMMON MULTIPLE	
1 X 2 = 2	1 X 5 = 5
2 X 2 = 4	2 X 5 = 10 **
3 X 2 = 6	3 X 5 = 15
4 X 2 = 8	4 X 5 = 20
5 X 2 = 10 **	
6 X 2 = 12	
** THEY HAVE 10 IN COMMON **	

$$\left\{ \begin{array}{l} \frac{1}{2} \times \frac{5}{5} = \frac{5}{10} \\ \frac{2}{5} \times \frac{2}{2} = \frac{4}{10} \end{array} \right.$$

NOW WE CAN ADD

$$\frac{5}{10} + \frac{4}{10} = \frac{9}{10} \text{ ANSWER}$$

WE NEED TO CHANGE THE DENOMINATORS (BOTTOM NUMBERS) TO 10, BUT REMEMBER, WHAT EVER WE DO TO THE BOTTOM WE NEED TO DO TO THE TOP!!!

SEE HOW THEY NOW HAVE COMMON DENOMINATORS?

SOLVE.

1. $\frac{1}{4} + \frac{1}{2} = \frac{3}{4}$

2. $\frac{2}{7} + \frac{1}{2} = \frac{11}{14}$

3. $\frac{1}{3} + \frac{2}{5} = \frac{11}{15}$

4. $\frac{3}{8} + \frac{1}{4} = \frac{5}{8}$

5. $\frac{1}{6} + \frac{4}{9} = \frac{11}{18}$

6. $\frac{2}{11} + \frac{3}{8} = \frac{49}{88}$

7. $\frac{1}{3} + \frac{3}{10} = \frac{19}{30}$

8. $\frac{2}{12} + \frac{3}{4} = \frac{11}{12}$

9. $\frac{5}{9} + \frac{5}{12} = \frac{35}{36}$

10. $\frac{4}{15} + \frac{2}{3} = \frac{14}{15}$

11. $\frac{2}{3} + \frac{2}{7} = \frac{20}{21}$

12. $\frac{3}{5} + \frac{1}{20} = \frac{13}{20}$

13. $\frac{2}{9} + \frac{5}{24} = \frac{31}{72}$

14. $\frac{3}{14} + \frac{1}{4} = \frac{13}{28}$

15. $\frac{5}{8} + \frac{3}{10} = \frac{37}{40}$