



Adding & Subtracting Fractions

To add the following fractions:

$$\frac{5}{8} + \frac{1}{24} =$$

- Find the Lowest Common Denominator.

$$\begin{array}{l} 8 \\ \swarrow \searrow \\ 2 \cdot 4 \\ \swarrow \searrow \\ 2 \cdot 2 \end{array}$$

$$\begin{array}{l} 24 \\ \swarrow \searrow \\ 2 \cdot 12 \\ \swarrow \searrow \\ 2 \cdot 6 \\ \swarrow \searrow \\ 2 \cdot 3 \end{array}$$

8	2	2	2	
24	2	2	2	3

$$2 \cdot 2 \cdot 2 \cdot 3 = 24$$

- Write equivalent fractions with the Lowest Common Denominator (LCD).

$$\frac{5}{8} \times \frac{3}{3} = \frac{15}{24}$$

$$\frac{1}{24} \times \frac{1}{1} = \frac{1}{24}$$

- Add (or subtract) the numerators. The denominators remain the same.

$$\frac{15+1}{24} = \frac{16}{24}$$

- Reduce the resulting fraction, if necessary.

$$\frac{16}{24} = \frac{\cancel{2} \cdot \cancel{2} \cdot \cancel{2} \cdot 2}{\cancel{2} \cdot \cancel{2} \cdot \cancel{2} \cdot 3} = \frac{2}{3}$$



Adding & Subtracting Fractions

PRACTICE PROBLEMS: Add or subtract as indicated.

1. $\frac{1}{2} + \frac{7}{6} =$

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

2. $\frac{5}{6} + \frac{1}{15} =$

13. $2 - \frac{1}{3} =$

3. $\frac{2}{25} + \frac{1}{10} =$

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

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

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

5. $\frac{7}{8} + \frac{5}{12} =$

16. $2 - \frac{3}{4} =$

6. $\frac{1}{6} + \frac{1}{4} =$

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

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

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

8. $\frac{3}{4} + \frac{13}{16} =$

ANSWERS

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

1. $1\frac{2}{3}$

7. $\frac{19}{24}$

13. $1\frac{2}{3}$

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

2. $\frac{9}{10}$

8. $1\frac{9}{16}$

14. $2\frac{1}{2}$

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

3. $\frac{9}{50}$

9. $\frac{23}{28}$

15. $\frac{1}{4}$

4. $\frac{13}{14}$

10. $\frac{7}{18}$

16. $1\frac{1}{4}$

5. $1\frac{7}{24}$

11. $\frac{1}{9}$

17. $\frac{1}{6}$

6. $\frac{5}{12}$

12. $\frac{1}{4}$

18. $\frac{5}{12}$