

Adding Fractions

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When ADDING fractions, the denominators must be the same"

Ex. #1

$$\begin{aligned} \text{a) } \frac{1 \cdot 5}{2 \cdot 5} + \frac{5}{10} \\ \frac{5}{10} + \frac{5}{10} = \frac{10}{10} = \boxed{1} \end{aligned}$$

$$\begin{aligned} \text{b) } \frac{4 \times 2}{6 \times 2} + \frac{3 \times 3}{4 \times 3} \\ \frac{8}{12} + \frac{9}{12} = \frac{17}{12} = \boxed{1 \frac{5}{12}} \end{aligned}$$

Ex #2

$$\begin{aligned} \text{a) } 4 \frac{1}{3} + 8 \frac{1}{2} \\ = \frac{13 \times 2}{3 \times 2} + \frac{17 \times 3}{2 \times 3} \\ = \frac{26}{6} + \frac{51}{6} = \frac{26+51}{6} \\ = \frac{77}{6} = \boxed{12 \frac{5}{6}} \end{aligned}$$

$$\begin{aligned} \text{b) } 3 \frac{3}{6} + 2 \frac{4}{7} \\ = 3 \frac{21}{42} + 2 \frac{24}{42} \\ = \boxed{5 \frac{45}{42}} \\ = 6 \frac{3}{42} \end{aligned}$$

$$\begin{aligned} 4 \frac{1}{3} + 8 \frac{1}{2} \\ 4 \frac{2}{6} + 8 \frac{3}{6} \\ = \boxed{12 \frac{5}{6}} \end{aligned}$$

