

Subtracting Mixed Number Fractions Challenge

Some of these will contain fractions with the same denominators and others will challenge you further with different denominators.

Use the guidance below to help you.

Subtracting Mixed Numbers

Method 1

$$\begin{aligned} 3\frac{3}{5} - 2\frac{1}{2} \\ &= \left(3 - 2\frac{1}{2}\right) + \frac{3}{5} \\ &= \frac{1}{2} + \frac{3}{5} \\ &= \frac{5}{10} + \frac{6}{10} \\ &= \frac{11}{10} \\ &= 1\frac{1}{10} \end{aligned}$$

Method 2

$$\begin{aligned} 3\frac{3}{5} - 2\frac{1}{2} \\ &= (3 - 2) + \left(\frac{3}{5} - \frac{1}{2}\right) \\ &= 1 + \frac{6}{10} - \frac{5}{10} \\ &= 1\frac{1}{10} \end{aligned}$$

Method 3

$$\begin{aligned} 3\frac{3}{5} - 2\frac{1}{2} \\ &= \frac{18}{5} - \frac{5}{2} \\ &= \frac{36}{10} - \frac{25}{10} \\ &= \frac{11}{10} \\ &= 1\frac{1}{10} \end{aligned}$$

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

2. $3\frac{1}{5} - 1\frac{4}{5} =$

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

4. $2\frac{4}{10} - 1\frac{2}{10} =$

Challenge

5. $2\frac{1}{2} - 1\frac{1}{4} =$

6. $3\frac{1}{3} - 2\frac{1}{6} =$