

Fractions

$$\begin{aligned}
 \text{a) } \frac{1}{2} + \frac{3}{4} &= \frac{2}{4} + \frac{3}{4} \\
 &= \frac{5}{4} \text{ or } 1\frac{1}{4}
 \end{aligned}$$

$$\begin{aligned}
 \frac{4}{8} + \frac{6}{8} \\
 \frac{10}{8} \\
 \text{reduce} \\
 \left(\frac{5}{4} \right)
 \end{aligned}$$

$$\begin{aligned}
 \text{b) } 2\frac{1}{3} + 1\frac{2}{5} &= 2\frac{5}{15} + 1\frac{6}{15} \\
 &= 3\frac{11}{15}
 \end{aligned}$$

$3 \times 15 = 45$
 $\frac{11}{56}$

$$\begin{aligned}
 \frac{7}{3} + \frac{7}{5} \\
 \frac{35}{15} + \frac{21}{15} \\
 \frac{56}{15}
 \end{aligned}$$

$$\begin{aligned}
 c) \quad 2 \frac{2}{3} - 1 \frac{4}{5} &= \overset{15/15}{2} \overset{15}{\frac{10}{15}} - 1 \frac{12}{15} \\
 \left(\frac{8}{3} - \frac{9}{5} \right) \times 15 &= \frac{25}{15} - \frac{12}{15} \\
 \left(\frac{40}{15} - \frac{27}{15} \right) \times 15 &= \frac{13}{15} \\
 \frac{13}{15} &
 \end{aligned}$$

(a)

$$\frac{2}{a} + \frac{4}{3}a$$

$$\frac{6}{3a} + \frac{4a^2}{3a}$$

$$\frac{6+4a^2}{3a}$$