

$$\textcircled{3} \quad 13 - (9 + 5) =$$

$$= 13 - 14 = -1$$

$$(5 - 7) - (11 - 4 + 2) =$$

$$= -2 \quad \text{---} \quad \text{or} \quad =$$

$$\text{---}$$

$$= -11$$

$$\begin{array}{r} 11 \quad \rangle 13 \\ + 2 \quad \rangle \\ - 4 \quad - 4 \\ \hline 9 \end{array}$$

$$\begin{aligned} & 30 - 2 \cdot (5 + 7) = \\ & = 30 - 2 \cdot 12 = \\ & = 30 - 24 = 6 \end{aligned}$$

$$\begin{aligned} & 3.4 - 6 \cdot (10 - 4.2) = \\ & = 3.4 - 6 \cdot 2 = \\ & = 12 - 12 = 0 \end{aligned}$$

$$\frac{2}{3} + \frac{4}{5} = \frac{10}{15} + \frac{12}{15} = \frac{22}{15}$$

$$\frac{25}{30} + \frac{45}{50} = \frac{1250}{1500} + \frac{1350}{1500} = \frac{2600}{1500} = \frac{26}{15}$$

$$= \frac{125}{150} + \frac{135}{150} = \frac{260}{150} = \frac{26}{15}$$

$$\left(\frac{25}{30} \cdot \frac{45}{50}\right) - \left(\frac{2}{3} \cdot \frac{4}{5}\right) = \frac{4875}{22500}$$

$$= \frac{1125}{1500} - \frac{8}{15} = \frac{16875}{22500} - \frac{12000}{22500} = \frac{4875}{22500}$$

$$= \frac{1125}{1500} - \frac{800}{1500} = \frac{325}{1500} = \frac{5^2 \cdot 13}{2^2 \cdot 3 \cdot 5^3} = \frac{13}{60}$$

$$\begin{array}{r|l} 325 & 5 \\ 65 & 5 \\ 13 & 13 \\ 1 & \end{array}$$

$$325 = 5^2 \cdot 13$$

$$\begin{array}{r|l} 1500 & 2 \\ 750 & 2 \\ 375 & 3 \\ 125 & 5 \\ 25 & 5 \\ 5 & 5 \\ 1 & \end{array}$$

$$1500 = 2^3 \cdot 3 \cdot 5^3$$

$$\left(\frac{25}{30} : \frac{45}{50}\right) - \left(\frac{2}{3} : \frac{4}{5}\right) =$$

$$= \left(\frac{25}{30} \cdot \frac{50}{45}\right) - \left(\frac{2}{3} \cdot \frac{5}{4}\right) =$$

$$= \frac{1250}{1350} - \frac{10}{12} = \frac{125}{135} - \frac{5}{6} = \frac{25}{27} - \frac{5}{6} = \frac{50}{54} - \frac{45}{54}$$

$$= \frac{15000}{16200} - \frac{13500}{16200}$$

$$= \frac{1500}{16200} = \frac{15}{162}$$

$$= \frac{5}{54} = 0.0925$$

$$3 \cdot 4 + 8 \cdot 6 \cdot (-5) - 4 \cdot (-3) - 8 \cdot 3 =$$

$$= 12 - 240 + 12 - 24 = -240$$

(4)

$$\frac{1}{2} + \frac{3}{2} - \frac{5}{2} = \frac{1+3-5}{2} = \frac{-1}{2}$$

$$\frac{5}{12} + \frac{7}{30} = \frac{150}{360} + \frac{84}{360} = \frac{234}{360}$$

$$\frac{5}{12} + \frac{7}{30} = \frac{5 \cdot 5}{12 \cdot 5} + \frac{7 \cdot 2}{30 \cdot 2} = \frac{25}{60} + \frac{14}{60} = \frac{39}{60}$$

$$\begin{array}{r|l} 12 & 2 \\ 6 & 2 \\ 3 & 3 \\ 1 & \end{array}$$

$$\begin{array}{r|l} 30 & 2 \\ 15 & 3 \\ 5 & 5 \\ 1 & \end{array}$$

$$12 = 2^2 \cdot 3 \quad 30 = 2 \cdot 3 \cdot 5$$

$$\text{MCM}(12, 30) = 2^2 \cdot 3 \cdot 5 = 60$$

$$\frac{5}{3} \cdot \frac{8}{7} = \frac{40}{21}$$

$$\frac{2}{3} \cdot \frac{4}{5} = \frac{8}{15}$$

$$\frac{25}{30} \cdot \frac{45}{50} = \frac{1125}{1500}$$

$$\frac{\cancel{50}}{\cancel{30}} = \frac{5}{3}$$

$$\frac{25}{30} \cdot \frac{50}{45} = \frac{\cancel{25} \cdot \cancel{50}}{\cancel{30} \cdot 45} = \frac{125}{135}$$

$$\frac{5}{3} \div \frac{8}{7} = \frac{5}{3} \cdot \frac{7}{8} = \frac{35}{24}$$

$$\frac{2}{3} \div \frac{4}{5} = \frac{2 \cdot 5}{3 \cdot 4} = \frac{10}{12}$$