

$$1.) -12 + 16 - 41 = -53 + 16 = 16 - 53 = -37$$

$$2.) +13 - 16 - 21 = 13 - 37 = -24$$

$$3.) +\frac{1}{2} - \frac{1}{3} - \frac{4}{6} = +\frac{3}{6} - \frac{4}{6} - \frac{4}{6} = -\frac{5}{6}$$

$$4.) \left(-\frac{2}{3}\right) \cdot \left(+\frac{1}{10}\right) = -\frac{2}{3} \cdot \frac{1}{10} = -\frac{2 \cdot 1}{3 \cdot 10} = -\frac{2}{30} = -\frac{1}{15}$$

$$5.) 2 \cdot \left(\frac{1}{3} + \frac{1}{4}\right) = 2 \cdot \left(\frac{4}{12} + \frac{3}{12}\right) = 2 \cdot \left(\frac{7}{12}\right) = \frac{14}{12} = \frac{7}{6} = 1\frac{1}{6}$$

$$6.) \frac{1}{2} \cdot (4 + 0,6) = \frac{1}{2} \cdot 4,6 = 2,3$$

$$\begin{aligned} 7.) & 2 \cdot \left(\frac{1}{7} + \frac{1}{14}\right) - 3 \cdot \left(\frac{1}{3} - \frac{5}{6}\right) = \\ & = 2 \cdot \left(\frac{2}{14} + \frac{2}{14}\right) - 3 \cdot \left(\frac{2}{6} - \frac{5}{6}\right) = \\ & = 2 \cdot \left(\frac{4}{14}\right) - 3 \cdot \left(-\frac{3}{6}\right) = 2 \cdot \left(\frac{2}{7}\right) - 3 \cdot \left(-\frac{1}{2}\right) = \\ & = \frac{2 \cdot 2}{7} + \frac{3 \cdot 1}{2} = \frac{4}{7} + \frac{3}{2} = \frac{8}{14} + \frac{21}{14} = 2 \end{aligned}$$

$$\begin{aligned} 8.) & -\frac{2}{3} \left(\frac{1}{3} + \frac{4}{6}\right) - \frac{1}{4} \cdot \left(\frac{1}{2} + \frac{6}{4}\right) = \\ & = -\frac{2}{3} \left(\frac{1}{3} + \frac{2}{3}\right) - \frac{1}{4} \cdot \left(\frac{1}{2} + \frac{3}{2}\right) = -\frac{2}{3} \cdot (1) - \frac{1}{4} \cdot (2) = \end{aligned}$$

$$= -\frac{2}{3} - \frac{1}{2} = -\frac{4}{6} - \frac{3}{6} = -\frac{7}{6} = -1\frac{1}{6}$$

$$\begin{aligned} 9, \quad & -11 \cdot \left(\frac{14}{15} - \frac{58}{30} \right) = -11 \cdot \left(\frac{28}{30} - \frac{58}{30} \right) = -11 \cdot \left(-\frac{30}{30} \right) = \\ & = -11 \cdot (-1) = 11 \end{aligned}$$

$$\begin{aligned} 10, \quad & 2 \cdot \frac{1}{4} \cdot \frac{2}{3} \cdot \frac{3}{4} = 2 \cdot \left(\frac{1}{4} \cdot \frac{2}{3} \cdot \frac{3}{4} \right) = \\ & = 2 \cdot \left(\frac{1 \cdot 2 \cdot 3}{4 \cdot 3 \cdot 4} \right) = 2 \cdot \left(\frac{1 \cdot \overset{1}{\cancel{2}} \cdot \cancel{3} \cdot 1}{\underset{1}{\cancel{2}} \cdot \cancel{3} \cdot 4} \right) = 2 \cdot \left(\frac{1 \cdot 1 \cdot 1}{1 \cdot 1 \cdot 4} \right) = \\ & = 2 \cdot \left(\frac{1}{8} \right) = \frac{\cancel{2} \cdot 1}{1 \cdot \cancel{2} \cdot 4} = \frac{1}{4} \end{aligned}$$

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