

$$\begin{aligned} \textcircled{2} \text{a) } \frac{7}{8} \cdot \frac{4}{7} + \frac{3}{7} : \frac{6}{21} &= \\ &= \frac{7 \cdot 4 \cdot 1 \cdot 1}{8 \cdot 7 \cdot 1 \cdot 2} + \frac{3 \cdot 21 \cdot 1 \cdot 3}{7 \cdot 6 \cdot 2 \cdot 1} = \\ &= \frac{1}{2} + \frac{3}{2} = \\ &= \frac{4}{2} = \underline{\underline{2}} \end{aligned}$$

$$\begin{aligned} \text{b) } \frac{2}{5} + \frac{4}{5} : \frac{8}{15} &= \\ &= \frac{2}{5} + \frac{4 \cdot 15 \cdot 1 \cdot 3}{5 \cdot 8 \cdot 2 \cdot 1} = \\ &= \frac{2}{5} + \frac{3}{2} = \\ &= \frac{4}{10} + \frac{15}{10} = \\ &= \frac{19}{10} = \underline{\underline{1\frac{9}{10}}} \end{aligned}$$

$$\begin{aligned} \text{c) } \frac{4}{9} \cdot \frac{3}{8} + \frac{3}{5} : \frac{9}{10} &= \\ &= \frac{4 \cdot 3 \cdot 1 \cdot 1}{9 \cdot 8 \cdot 2 \cdot 3} + \frac{3 \cdot 10 \cdot 1 \cdot 3}{5 \cdot 9 \cdot 3 \cdot 1} = \\ &= \frac{1}{6} + \frac{2}{3} = \\ &= \frac{1}{6} + \frac{4}{6} = \\ &= \underline{\underline{\frac{5}{6}}} \end{aligned}$$

$$\begin{aligned} \text{c) } \frac{4}{5} : \frac{3}{8} - \frac{3}{5} \cdot \frac{1}{2} &= \\ &= \frac{4 \cdot 8}{5 \cdot 3} - \frac{3 \cdot 1}{5 \cdot 2} = \\ &= \frac{32}{15} - \frac{3}{10} = \\ &= \frac{64}{30} - \frac{9}{30} = \\ &= \frac{55}{30} = 1\frac{25}{30} = \underline{\underline{1\frac{5}{6}}} \end{aligned}$$

$$\begin{aligned} \text{d) } \frac{7}{8} - \frac{3}{4} \cdot \frac{8}{15} &= \\ &= \frac{7}{8} - \frac{3 \cdot 8 \cdot 1 \cdot 2}{4 \cdot 15 \cdot 5 \cdot 1} = \\ &= \frac{7}{8} - \frac{2}{5} = \\ &= \frac{35}{40} - \frac{16}{40} = \\ &= \underline{\underline{\frac{19}{40}}} \end{aligned}$$

$$\begin{aligned} \text{e) } \frac{8}{35} : \frac{24}{25} + \frac{2}{5} &= \\ &= \frac{8 \cdot 25 \cdot 1 \cdot 5}{35 \cdot 24 \cdot 3 \cdot 7} + \frac{2}{5} = \\ &= \frac{5}{21} + \frac{2}{5} = \\ &= \frac{25}{105} + \frac{42}{105} = \\ &= \underline{\underline{\frac{67}{105}}} \end{aligned}$$

$$\begin{aligned} \text{f) } 3\frac{3}{4} + 2\frac{4}{5} : 4\frac{1}{5} &= \\ &= 3\frac{3}{4} + \frac{14 \cdot 5 \cdot 2 \cdot 1}{5 \cdot 24 \cdot 3 \cdot 1} = \\ &= 3\frac{3}{4} + \frac{2}{3} = \\ &= 3\frac{9}{12} + \frac{8}{12} = \\ &= 3\frac{17}{12} = \underline{\underline{4\frac{5}{12}}} \end{aligned}$$

$$\begin{aligned} \text{g) } 5\frac{1}{4} + 1\frac{1}{3} \cdot 2\frac{1}{4} - 3\frac{5}{8} &= \\ &= 5\frac{1}{4} + \frac{4 \cdot 8 \cdot 1 \cdot 3}{3 \cdot 4 \cdot 1 \cdot 1} - 3\frac{5}{8} = \\ &= 5\frac{1}{4} + 3 - 3\frac{5}{8} = \\ &= 8\frac{2}{8} - 3\frac{5}{8} = \\ &= 7\frac{10}{8} - 3\frac{5}{8} = \underline{\underline{4\frac{5}{8}}} \end{aligned}$$

$$\begin{aligned} \text{h) } 12\frac{4}{5} \cdot 6\frac{1}{4} - 6\frac{1}{4} + 2\frac{3}{8} &= \\ &= \frac{64 \cdot 25 \cdot 16 \cdot 5}{8 \cdot 4 \cdot 1 \cdot 1} - 6\frac{1}{4} + 2\frac{3}{8} = \\ &= 80 - 6\frac{2}{8} + 2\frac{3}{8} = \\ &= 82\frac{3}{8} - 6\frac{2}{8} = \underline{\underline{76\frac{1}{8}}} \end{aligned}$$

$$\begin{aligned} \text{i) } \frac{5}{12} \cdot \frac{24}{25} + \frac{3}{8} : \frac{3}{4} - \frac{7}{20} \cdot \frac{10}{21} &= \\ &= \frac{5 \cdot 24 \cdot 1 \cdot 2}{12 \cdot 25 \cdot 5 \cdot 1} + \frac{3 \cdot 4 \cdot 1 \cdot 1}{8 \cdot 3 \cdot 1 \cdot 2} - \frac{7 \cdot 10 \cdot 1 \cdot 1}{20 \cdot 21 \cdot 3 \cdot 2} = \\ &= \frac{2}{5} + \frac{1}{2} - \frac{1}{6} = \\ &= \frac{12}{30} + \frac{15}{30} - \frac{5}{30} = \\ &= \frac{22}{30} = \underline{\underline{\frac{11}{15}}} \end{aligned}$$

$$\begin{aligned} \text{j) } \frac{1}{3} \cdot \frac{1}{4} + \frac{1}{5} \cdot \frac{1}{6} &= \\ &= \frac{1}{12} + \frac{1}{30} = \\ &= \frac{5}{60} + \frac{2}{60} = \underline{\underline{\frac{7}{60}}} \end{aligned}$$

$$\begin{aligned} \text{k) } \frac{2}{9} \cdot \frac{18}{25} \cdot \frac{5}{8} + \frac{3}{4} : \frac{9}{10} &= \\ &= \frac{2 \cdot 18 \cdot 5 \cdot 1 \cdot 2 \cdot 1 \cdot 1}{8 \cdot 25 \cdot 8 \cdot 4 \cdot 1 \cdot 5 \cdot 2} + \frac{3 \cdot 10 \cdot 1 \cdot 5}{4 \cdot 9 \cdot 3 \cdot 2} = \\ &= \frac{1}{10} + \frac{5}{6} = \\ &= \frac{3}{30} + \frac{25}{30} = \frac{28}{30} = \underline{\underline{\frac{14}{15}}} \end{aligned}$$

$$\begin{aligned} \text{l) } 7\frac{1}{5} \cdot \frac{1}{72} + 3\frac{1}{8} : 11\frac{1}{4} + 4\frac{1}{2} \cdot \frac{4}{27} &= \\ &= \frac{36 \cdot 1 \cdot 1}{5 \cdot 72 \cdot 2} + \frac{25 \cdot 4 \cdot 5 \cdot 1}{8 \cdot 45 \cdot 9 \cdot 2} + \frac{8 \cdot 4 \cdot 1 \cdot 2}{2 \cdot 27 \cdot 3 \cdot 1} = \\ &= \frac{1}{10} + \frac{5}{18} + \frac{2}{3} = \\ &= \frac{9}{90} + \frac{25}{90} + \frac{60}{90} = \frac{94}{90} = 1\frac{4}{90} = \underline{\underline{1\frac{2}{45}}} \end{aligned}$$