

$$\textcircled{a)} 2\frac{3}{4} + 1,4 \cdot 3\frac{4}{7} =$$

$$= 2\frac{3}{4} + \frac{14 \cdot 25 \cdot 2 \cdot 5 \cdot 1}{10 \cdot 7 \cdot 1 \cdot 2 \cdot 1} =$$

$$= 2\frac{3}{4} + 5 =$$

$$= \underline{\underline{7\frac{3}{4}}}$$

$$\textcircled{c)} 6\frac{2}{5} - 3,2 : 2\frac{2}{5} + 1,5 =$$

$$= 6\frac{2}{5} - \frac{32 \cdot 5 \cdot 8 \cdot 1 \cdot 4}{10 \cdot 12 \cdot 5 \cdot 2 \cdot 1} + 1,5 =$$

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

$$= 6\frac{12}{30} - 1\frac{10}{30} + 1\frac{15}{30} =$$

$$= \underline{\underline{6\frac{17}{30}}}$$

$$\textcircled{f)} 8,6 + (6\frac{3}{4} - 2,5) =$$

$$= 8,6 + (6,75 - 2,5) =$$

$$= 8,6 + 4,25 =$$

$$= \underline{\underline{12,85}}$$

$$\textcircled{b)} 4\frac{2}{3} \cdot 1,2 - 1\frac{1}{5} : 0,3 =$$

$$= \frac{14 \cdot 12 \cdot 7 \cdot 4}{3 \cdot 10 \cdot 5 \cdot 1} - \frac{6 \cdot 10 \cdot 2 \cdot 2}{5 \cdot 8 \cdot 1 \cdot 1} =$$

$$= \frac{28}{5} - 4 =$$

$$= 5\frac{3}{5} - 4 = \underline{\underline{1\frac{3}{5}}}$$

$$\textcircled{d)} 4\frac{1}{6} : 2,5 + 3\frac{3}{4} : 1,5 =$$

$$= \frac{25 \cdot 10 \cdot 1 \cdot 5}{6 \cdot 25 \cdot 1 \cdot 3} + \frac{15 \cdot 10 \cdot 1 \cdot 5}{4 \cdot 15 \cdot 1 \cdot 2} =$$

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

$$= \frac{10}{6} + \frac{15}{6} =$$

$$= \frac{25}{6} = \underline{\underline{4\frac{1}{6}}}$$

$$\textcircled{g)} 8,9 - (3,4 - 2\frac{3}{4}) =$$

$$= 8,9 - (3,4 - 2,75) =$$

$$= 8,9 - 0,65 =$$

$$= \underline{\underline{8,25}}$$

$$\textcircled{c)} 2\frac{1}{2} \cdot 2,4 \cdot 2\frac{3}{4} - 3\frac{1}{4} =$$

$$= \frac{5 \cdot 24 \cdot 11 \cdot 1 \cdot 12 \cdot 3}{2 \cdot 10 \cdot 4 \cdot 2 \cdot 1 \cdot 1} - 3\frac{1}{4} =$$

$$= \frac{33}{2} - 3\frac{1}{4} =$$

$$= 16\frac{1}{2} - 3\frac{1}{4} =$$

$$= 16\frac{2}{4} - 3\frac{1}{4} = \underline{\underline{13\frac{1}{4}}}$$

$$\textcircled{e)} 2,4 : 0,2 - 3\frac{1}{3} \cdot 2,7 =$$

$$= \frac{24 \cdot 10 \cdot 1 \cdot 1}{10 \cdot 2 \cdot 1 \cdot 1} - \frac{10 \cdot 27 \cdot 1 \cdot 3}{3 \cdot 10 \cdot 1 \cdot 1} =$$

$$= 12 - 9 =$$

$$= \underline{\underline{3}}$$

$$\textcircled{h)} (9\frac{2}{3} - 4,75) - (7\frac{5}{6} - 4,5) =$$

$$= (9\frac{2}{3} - 4\frac{3}{4}) - (7\frac{5}{6} - 4\frac{1}{2}) =$$

$$= (9\frac{8}{12} - 4\frac{9}{12}) - (7\frac{5}{6} - 4\frac{3}{6}) =$$

$$= (8\frac{20}{12} - 4\frac{9}{12}) - 3\frac{2}{6} =$$

$$= 4\frac{11}{12} - 3\frac{4}{12} =$$

$$= \underline{\underline{1\frac{7}{12}}}$$

$$\begin{aligned}
 \text{d)} (8,4 - 3\frac{5}{6}) + (5\frac{1}{3} - 2,4) &= \\
 &= (8\frac{4}{10} - 3\frac{5}{6}) + (5\frac{1}{3} - 2\frac{4}{10}) = \\
 &= (8\frac{12}{30} - 3\frac{25}{30}) + (5\frac{10}{30} - 2\frac{12}{30}) = \\
 &= (7\frac{42}{30} - 3\frac{25}{30}) + (4\frac{40}{30} - 2\frac{12}{30}) = \\
 &= 4\frac{17}{30} + 2\frac{28}{30} = \\
 &= 6\frac{45}{30} = 7\frac{15}{30} = \underline{\underline{7\frac{1}{2}}}
 \end{aligned}$$

$$\begin{aligned}
 \text{m)} 4\frac{1}{2} \cdot (6,2 - 3,4) &= \\
 &= 4,5 \cdot 2,8 = \\
 &= \underline{\underline{12,6}} = \underline{\underline{12\frac{3}{5}}}
 \end{aligned}$$

$$\begin{aligned}
 \text{r)} 3\frac{3}{4} + 2,5 \cdot (5\frac{1}{3} - 2,4) &= \\
 &= 3\frac{3}{4} + 2,5 \cdot (5\frac{1}{3} - 2\frac{4}{10}) = \\
 &= 3\frac{3}{4} + 2\frac{1}{2} \cdot (5\frac{10}{30} - 2\frac{12}{30}) = \\
 &= 3\frac{3}{4} + 2\frac{1}{2} \cdot (4\frac{40}{30} - 2\frac{12}{30}) = \\
 &= 3\frac{3}{4} + 2\frac{1}{2} \cdot 2\frac{28}{30} = \\
 &= 3\frac{3}{4} + \frac{5 \cdot 88 \cdot 1 \cdot 44 \cdot 22}{2 \cdot 30 \cdot 26 \cdot 1 \cdot 3} = \\
 &= 3\frac{3}{4} + \frac{22}{3} = \\
 &= 3\frac{3}{4} + 7\frac{1}{3} = \\
 &= 3\frac{9}{12} + 7\frac{4}{12} = \\
 &= 10\frac{13}{12} = \underline{\underline{11\frac{1}{12}}}
 \end{aligned}$$

$$\begin{aligned}
 \text{f)} (5\frac{3}{4} - 3,7) \cdot (2\frac{1}{2} + 0,4) &= \\
 &= (5,75 - 3,7) \cdot (2,5 + 0,4) = \\
 &= 2,05 \cdot 2,9 = \\
 &= \underline{\underline{5,945}}
 \end{aligned}$$

$$\begin{aligned}
 \text{e)} 2,4 \cdot 3\frac{1}{3} + 3\frac{1}{5} \cdot 3,5 &= \\
 &= \frac{24 \cdot 10 \cdot 8 \cdot 1}{10 \cdot 3 \cdot 1 \cdot 1} + \frac{16 \cdot 35 \cdot 7 \cdot 8}{5 \cdot 10 \cdot 1 \cdot 5} = \\
 &= 8 + \frac{56}{5} = \\
 &= 8 + 11\frac{1}{5} = \underline{\underline{19\frac{1}{5}}}
 \end{aligned}$$

$$\begin{aligned}
 \text{o)} (8,8 - 2\frac{1}{2}) : 4\frac{1}{2} &= \\
 &= (8\frac{8}{10} - 2\frac{5}{10}) : 4\frac{1}{2} = \\
 &= 6\frac{3}{10} : 4\frac{1}{2} = \\
 &= \frac{63 \cdot 2 \cdot 7 \cdot 1}{10 \cdot 8 \cdot 1 \cdot 5} = \frac{7}{5} = \underline{\underline{1\frac{2}{5}}}
 \end{aligned}$$

$$\begin{aligned}
 \text{q)} 5\frac{1}{3} \cdot (4,2 - 2\frac{3}{4}) + 2\frac{1}{4} \cdot (2,7 - \frac{5}{6}) &= \\
 &= 5\frac{1}{3} \cdot (4\frac{2}{10} - 2\frac{3}{4}) + 2\frac{1}{4} \cdot (2\frac{7}{10} - \frac{5}{6}) = \\
 &= 5\frac{1}{3} \cdot (4\frac{4}{20} - 2\frac{15}{20}) + 2\frac{1}{4} \cdot (2\frac{21}{30} - \frac{25}{30}) = \\
 &= 5\frac{1}{3} \cdot (3\frac{24}{20} - 2\frac{15}{20}) + 2\frac{1}{4} \cdot (1\frac{51}{30} - \frac{25}{30}) = \\
 &= 5\frac{1}{3} \cdot 1\frac{9}{20} + 2\frac{1}{4} \cdot 1\frac{26}{30} = \\
 &= \frac{16 \cdot 29 \cdot 4}{3 \cdot 20 \cdot 5} + \frac{8 \cdot 56 \cdot 3 \cdot 14 \cdot 7}{4 \cdot 30 \cdot 10 \cdot 1 \cdot 5} = \\
 &= \frac{116}{15} + \frac{21}{5} = \\
 &= 7\frac{11}{15} + 4\frac{1}{5} = \\
 &= 7\frac{11}{15} + 4\frac{3}{15} = \\
 &= \underline{\underline{11\frac{14}{15}}}
 \end{aligned}$$

$$\begin{aligned}
 \text{b)} (2,8 + 3\frac{3}{5}) \cdot (6,7 - 3\frac{7}{20}) &= \\
 &= (2,8 + 3,6) \cdot (6,7 - 3,35) = \\
 &= 6,4 \cdot 3,35 = \\
 &= \underline{\underline{21,44}}
 \end{aligned}$$

$$\begin{aligned}
 \text{m)} 3,9 \cdot 6\frac{2}{3} - 3,6 : 3\frac{3}{5} &= \\
 &= \frac{39 \cdot 20 \cdot 13 \cdot 2}{10 \cdot 3 \cdot 1 \cdot 1} - \frac{36 \cdot 5 \cdot 2 \cdot 1 \cdot 1}{10 \cdot 18 \cdot 1 \cdot 2 \cdot 1} = \\
 &= 26 - 1 = \\
 &= \underline{\underline{25}}
 \end{aligned}$$

$$\begin{aligned}
 \text{p)} 6,3 : (4\frac{4}{5} - 4,5) &= \\
 &= 6,3 : (4,8 - 4,5) = \\
 &= 6,3 : 0,3 = \\
 &= 63 : 3 = \underline{\underline{21}}
 \end{aligned}$$

$$\begin{aligned}
 \text{s)} (1\frac{3}{4} - 0,4) \cdot 3,6 + (2,5 - \frac{1}{4}) \cdot 2,4 &= \\
 &= (1\frac{3}{4} - \frac{4}{10}) \cdot 3,6 + (2\frac{2}{4} - \frac{1}{4}) \cdot 2,4 = \\
 &= (1\frac{15}{20} - \frac{8}{20}) \cdot 3,6 + 2\frac{1}{4} \cdot 2,4 = \\
 &= 1\frac{7}{20} \cdot \frac{36}{10} + \frac{9 \cdot 24 \cdot 6 \cdot 3}{4 \cdot 10 \cdot 1 \cdot 5} = \\
 &= \frac{27 \cdot 10 \cdot 3 \cdot 1}{20 \cdot 36 \cdot 4 \cdot 2} + \frac{27}{5} = \\
 &= \frac{3}{8} + 5\frac{2}{5} = \\
 &= \frac{15}{40} + 5\frac{16}{40} = \\
 &= \underline{\underline{5\frac{31}{40}}}
 \end{aligned}$$