

1. * Izračunaj in zapiši v ustrezni enoti:

$$\frac{2}{5} \text{ od } 40\text{kg} = \underline{16\text{kg}}$$

$$\frac{3}{4} \text{ od } 20\text{min} = \underline{15\text{min}}$$

$$\frac{3}{10} \text{ od } 120\text{m} = \underline{36\text{m}}$$

2. Zapiši z ulomkom, večjim od 1:

$$*2\frac{1}{3} = 1\frac{4}{3} = \underline{\underline{\frac{7}{3}}}$$

$$*10\frac{3}{7} = 9\frac{10}{7} = \underline{\underline{\frac{73}{7}}}$$

$$32\frac{9}{10} = 31\frac{19}{10} = \underline{\underline{\frac{329}{10}}}$$

$$55\frac{9}{20} = 54\frac{29}{20} = \underline{\underline{\frac{1109}{20}}}$$

3. Zapiši s celim delom in ulomkom, manjšim od 1:

$$*\frac{8}{5} = 1\frac{3}{5}$$

$$*\frac{21}{10} = 2\frac{1}{10}$$

$$\frac{80}{35} = 2\frac{10}{35} = 2\frac{2}{7}$$

$$\frac{121}{25} = 4\frac{21}{25}$$

4. * Ulomek $\frac{8}{12}$

krajšaj z 2: $\frac{4}{6}$;

razširi s 5: $\frac{40}{60}$;

okrajšaj: $\frac{2}{3}$

5. Ulomke razširi na najmanjši skupni imenovalec, nato jih uredi po velikosti:

a)* $\frac{5}{8}$ in $\frac{3}{4} = \frac{6}{8}$: $\frac{5}{8} < \frac{3}{4}$

b) $\frac{7}{9} = \frac{70}{90}$, $\frac{11}{15} = \frac{66}{90}$ in $\frac{3}{5} = \frac{54}{90}$: $\frac{3}{5} < \frac{11}{15} < \frac{7}{9}$

6. Izračunaj:

a)* $\frac{5}{14} + \frac{1}{14} = \underline{\underline{\frac{6}{14}}}$

b)* $\frac{27}{31} - \frac{20}{31} = \underline{\underline{\frac{7}{31}}}$

c)* $\frac{1}{3} + \frac{5}{9} = \frac{3+5}{9} = \underline{\underline{\frac{8}{9}}}$

d) $3\frac{6}{7} + 1\frac{1}{6} = 3\frac{36}{42} + 1\frac{7}{42} = 5\frac{1}{42}$

e) $\frac{5}{12} - \frac{1}{5} = \frac{25-12}{60} = \underline{\underline{\frac{13}{60}}}$

f) $6\frac{1}{2} - 2\frac{7}{8} = 5\frac{12}{8} - 2\frac{7}{8} = \underline{\underline{3\frac{5}{8}}}$

7. Izračunaj:

a)* $\frac{3}{4} + \frac{1}{8} = \frac{6+1}{8} = \underline{\underline{\frac{7}{8}}}$

b)* $5\frac{2}{3} + 3\frac{2}{9} = 5\frac{6}{9} + 3\frac{2}{9} = \underline{\underline{8\frac{8}{9}}}$

c) * $2\frac{1}{2} - 1\frac{3}{7} = 2\frac{7}{14} - 1\frac{6}{14} = \underline{\underline{1\frac{1}{14}}}$

d) $9\frac{1}{6} - 5\frac{7}{9} = 8\frac{21}{18} - 5\frac{14}{18} = \underline{\underline{3\frac{7}{18}}}$

e)* $\frac{9}{3} \cdot \frac{5}{20} = \underline{\underline{\frac{3}{4}}}$

f) $6\frac{2}{3} \cdot 4\frac{1}{5} = \underline{\underline{\frac{20}{3} \cdot \frac{21}{5} = 28}}$

g)* $\frac{42}{36} : \frac{28}{12} = \underline{\underline{\frac{7}{6} \cdot \frac{3}{7} = \frac{1}{2}}}$

h) $5\frac{4}{7} : 1\frac{6}{7} = \underline{\underline{\frac{39}{7} \cdot \frac{7}{13} = 3}}$

i) $\frac{4}{6} \cdot \frac{12}{20} + 1\frac{1}{2} : \frac{6}{8} = \frac{2}{3} \cdot \frac{3}{5} + \frac{3}{2} \cdot \frac{4}{3} = \frac{2}{5} + 2 = \underline{\underline{2\frac{2}{5}}}$

j) ♠ $(7\frac{4}{9} - 3\frac{4}{9}) : 2\frac{4}{8} = 4 : \frac{5}{2} = \frac{4}{1} \cdot \frac{2}{5} = \underline{\underline{\frac{8}{5} = 1\frac{3}{5}}}$

8. Izračunaj:

$$\text{a) } 3\frac{2}{3} + 5\frac{4}{9} - 1\frac{2}{3} = 2 + 5\frac{4}{9} = \underline{\underline{7\frac{4}{9}}}$$

$$\text{b) } 6\frac{1}{12} + 2\frac{1}{3} - 3\frac{5}{6} = 6\frac{1}{12} + 2\frac{4}{12} - 3\frac{10}{12} = 7\frac{17}{12} - 3\frac{10}{12} = \underline{\underline{4\frac{7}{12}}}$$

$$\text{c) } 7 - \frac{1}{7} + 3 - \frac{12}{14} = 10 - \frac{2}{14} - \frac{12}{14} = 10 - 1 = \underline{\underline{9}}$$

$$\text{d) } 5\frac{3}{8} - 2\frac{3}{4} + 20 = 5\frac{3}{8} - 2\frac{6}{8} + 20 = 3\frac{9}{8} + 20 = \underline{\underline{24\frac{1}{8}}}$$

$$\text{e) } \frac{1}{2} - \frac{1}{3} + 2 - \frac{1}{4} = \frac{6}{12} - \frac{4}{12} + 2 - \frac{3}{12} = 2\frac{2}{12} - \frac{3}{12} = \underline{\underline{1\frac{11}{12}}}$$

$$\text{f) } 25 + \left(\frac{5}{6} - \frac{2}{3}\right) - 4\frac{4}{5} = 25 + \left(\frac{5}{6} - \frac{4}{6}\right) - 4\frac{4}{5} = 20\frac{1}{5} + \frac{1}{6} = 20\frac{6+5}{30} = \underline{\underline{20\frac{11}{30}}}$$