

## Lösungen C

$$\begin{aligned} 1) &= -\frac{21}{12}b - \frac{5}{8}a + \frac{2}{12}b + \frac{6}{8}a \\ &= -\frac{19}{12}b + \frac{1}{8}a \\ &= -1\frac{7}{12}b + \frac{1}{8}a \end{aligned}$$

$$2) = -\frac{3 \cdot 5 \cdot \cancel{8}^1}{2 \cdot \cancel{8}_1} \times 4z = -\frac{15}{2} \times 4z = -7\frac{1}{2} \times 4z$$

$$\begin{aligned} 3) &= \frac{1}{2}x - \frac{1}{3}y + \frac{3}{4}y - 1\frac{2}{3}x \\ &= \frac{3}{6}x - \frac{4}{12}y + \frac{9}{12}y - 1\frac{4}{6}x \\ &= -1\frac{1}{6}x + \frac{5}{12}y \end{aligned}$$

$$\begin{aligned} 4) &= 1,5x - 0,4y + 0,2x - 0,6x \\ &= 0,9x + 0,2x - 0,4y \\ &= 1,1x - 0,4y = 1\frac{1}{10}x - \frac{2}{5}y \end{aligned}$$

$$\begin{aligned} 5) &= -25s \cdot \frac{8}{s} + 15t \cdot \frac{8}{s} \\ &= -40s + 24t \end{aligned}$$

$$\begin{aligned} 6) &= \frac{3}{4}t - 3t + 14,4st \\ &= -2\frac{1}{4}t + 14\frac{2}{5}st = -2,25t + 14,4st \end{aligned}$$

$$7) = \frac{1}{2}a^2 - \frac{1}{8}a + 3a - \frac{3}{4} = \frac{1}{2}a^2 + 2\frac{7}{8}a - \frac{3}{4}$$

$$8) = \frac{9}{16}a^2 - \frac{6}{20}ab \cdot 2 + \frac{4}{25}b^2 = \frac{9}{16}a^2 - \frac{3}{5}ab + \frac{4}{25}b^2$$

$$\begin{aligned} 9) &= \frac{4}{9}p^2 - \frac{4}{21}pq + \frac{1}{49}q^2 - \frac{4}{9}p^2 - \frac{4}{21}pq - \frac{1}{49}q^2 \\ &= -\frac{8}{21}pq \end{aligned}$$