

KA 2

4/ (3) a) $0,02 + 1,99 = 2,01$

b) $8,46 - (-14,784) = 8,46 + 14,784$
 $= 23,244$

$$\begin{array}{r} 14,784 \\ + 8,460 \\ \hline 23,244 \end{array}$$

c) $10,101 - 0,89 = 9,211$

$$\begin{array}{r} 10,101 \\ - 0,890 \\ \hline 9,211 \end{array}$$

d) $189,44 - 879,44 = -690$

$$\begin{array}{r} 879,44 \\ - 1,89,44 \\ \hline 690,00 \end{array}$$

4/ (4) a) $7,42 \text{ hg} \approx 7 \text{ hg}$

b) $6,4565 \text{ a} = 645,65 \text{ m}^2 \approx 646 \text{ m}^2$

c) $0,0342 \text{ m}^3 = 34,2 \text{ dm}^3 \approx 34 \text{ dm}^3$

d) $57,25 \text{ m} = 572,5 \text{ dm} \approx 573 \text{ dm}$

6/ (5) a) $534 \text{ mm} + 1 \text{ cm} = 534 \text{ mm} + 10 \text{ mm} = 544 \text{ mm} = 54,4 \text{ cm}$

b) $14,3 \text{ kg} - 30 \text{ g} = 14300 \text{ g} - 30 \text{ g} = 14270 \text{ g} = 14,270 \text{ kg}$

c) $91 \text{ m}^2 + 9 \text{ a} = 91 \text{ m}^2 + 900 \text{ m}^2 = 991 \text{ m}^2 = 9,91 \text{ a}$

d) $2,4 \text{ l} + 225 \text{ cm}^3 = 2400 \text{ cm}^3 + 225 \text{ cm}^3 = 2625 \text{ cm}^3 = 2,625 \text{ l}$

$$8/ (6) \quad a) \quad \frac{1}{3} + \frac{14}{9} - \frac{2}{3} = \frac{3}{9} + \frac{14}{9} - \frac{6}{9} = \frac{11}{9}$$

$$b) \quad -\frac{3}{8} - \frac{1}{12} - 0,125 = -\frac{3}{8} - \frac{1}{12} - \frac{1}{8}$$

$$= -\frac{3}{8} - \frac{1}{8} - \frac{1}{12} = -\frac{4}{8} - \frac{1}{12} = -\frac{6}{12} - \frac{1}{12} = -\frac{7}{12}$$

$$c) \quad \frac{11}{5} - \left(5 - \frac{4}{5}\right) = \frac{11}{5} - 5 + \frac{4}{5} = \frac{11}{5} + \frac{4}{5} - 5$$

$$= \frac{15}{5} - 5 = 3 - 5 = -2$$

$$d) \quad 23,4 - (-2,685 + 3,4) = 23,4 + 2,685 - 3,4$$

$$= 23,4 - 3,4 + 2,685 = 20 + 2,685 = 22,685$$

(7) a) Wassertank: insg. $1,5 \text{ m}^3 = 1500 \text{ dm}^3 = 1500 \text{ l}$

Wasserstand am Montag: $567,6 \text{ l}$

Wasserstand am Dienstag:

$$\begin{array}{r} 567,6 \text{ l} \\ - 340,0 \text{ l} \\ \hline 227,6 \text{ l} \end{array} \quad 0,34 \text{ m}^3 = 340 \text{ l}$$

Wasserstand am Mittwoch:

$$\begin{array}{r} 227,6 \text{ l} \\ + 689,0 \text{ l} \\ \hline 916,6 \text{ l} \end{array}$$

Wie viel Kubikmeter passen noch in den Tank?

$$- \begin{array}{r} 1500,0 \text{ l} \\ - 916,6 \text{ l} \\ \hline 583,4 \text{ l} \end{array} \quad 583,4 \text{ l} = 0,5834 \text{ m}^3$$

Es passen noch $0,5834 \text{ m}^3$ in den Tank.

Mehr als $\frac{2}{3}$ gefüllt?

$\frac{2}{3}$ von 1500 l : $1500 \text{ l} : 3 = 500 \text{ l}$
 $500 \text{ l} \cdot 2 = 1000 \text{ l}$

Nein, da sich weniger als 1000 l im Tank befinden.

(b) Schwester 1 Schwester 2 Schwester 3

$$\frac{1}{3}$$

$$\frac{1}{4}$$

$$\frac{1}{8}$$

Rechnung: $\frac{1}{3} + \frac{1}{4} + \frac{1}{8} = \frac{8}{24} + \frac{6}{24} + \frac{3}{24} = \frac{17}{24}$

Rest: $\frac{24}{24} - \frac{17}{24} = \frac{7}{24}$

$\frac{7}{24}$ entsprechen 700 €

$\frac{1}{24}$ entspricht 100 €

$\frac{24}{24}$ entsprechen 2400 €

Es waren 2400 €.