

1. a.)  $\frac{3}{5} + \frac{1}{10} = \frac{6}{10} + \frac{1}{10} = \frac{7}{10}$   $\frac{1}{10}$

b.)  $\frac{3}{8} + \frac{5}{12} = \frac{9}{24} + \frac{10}{24} = \frac{19}{24}$   $\frac{1}{24}$

c.)  $1\frac{2}{3} + 3\frac{1}{2} = \frac{5}{3} + \frac{7}{2} = \frac{10}{6} + \frac{21}{6} = \frac{31}{6}$   $\frac{1}{6}$

d.)  $\frac{7}{18} + \frac{5}{24} = \frac{28}{72} + \frac{15}{72} = \frac{43}{72}$   $\frac{1}{72}$

e.)  $\frac{1}{4} - \frac{1}{6} = \frac{3}{12} - \frac{2}{12} = \frac{1}{12}$   $\frac{1}{12}$

f.)  $\frac{8}{15} - \frac{4}{25} = \frac{40}{75} - \frac{12}{75} = \frac{28}{75}$   $\frac{1}{75}$

g.)  $4\frac{1}{4} - 3\frac{1}{3} = \frac{17}{4} - \frac{10}{3} = \frac{51}{12} - \frac{40}{12} = \frac{11}{12}$   $\frac{1}{12}$

h.)  $\frac{9}{16} - \frac{5}{20} = \frac{45}{80} - \frac{20}{80} = \frac{25}{80} = \frac{5}{16}$   $\frac{1}{16}$

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2. a.)  $0,025 \text{ m}^3$   $\frac{1}{4}$

b.)  $0,75 \text{ dl}$   $\frac{1}{4}$

c.)  $2'000 \text{ cm}^2$   $\frac{1}{4}$

d.)  $0,00053 \text{ m}^3$   $\frac{1}{4}$

e.)  $8 \text{ m}^3$   $\frac{1}{4}$

f.)  $2 \text{ dm}^2$   $\frac{1}{4}$

g.)  $6'000 \text{ cm}^3$   $\frac{1}{4}$

h.)  $9 \text{ ml}$   $\frac{1}{4}$

i.)  $70'700 \text{ mm}^2$   $\frac{1}{4}$

j.)  $2'000 \text{ cl}$   $\frac{1}{4}$

k.)  $1,023 \text{ m}^3$   $\frac{1}{4}$

l.)  $25'000'000 \text{ mm}^3$   $\frac{1}{4}$

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$$\underline{3.} \quad V_2 = (2 \text{ dm})^3 = \underline{8 \text{ dm}^3}$$

$$A_1 = (8 \text{ dm})^2 = \underline{64 \text{ dm}^2}$$

(2)

$$h = V_2 : A_1 = 8 \text{ dm}^3 : 64 \text{ dm}^2 = 0,125 \text{ dm} \\ = \underline{\underline{1,25 \text{ cm}}}$$

$$\underline{4.} \quad A = 100 \text{ cm} \cdot 50 \text{ cm} = 10 \text{ dm} \cdot 5 \text{ dm} = \underline{50 \text{ dm}^2}$$

$$V = 30 \text{ l} = \underline{30 \text{ dm}^3}$$

(2)

$$h = V : A = 30 \text{ dm}^3 : 50 \text{ dm}^2 = 0,6 \text{ dm} \\ = \underline{\underline{6 \text{ cm}}}$$

$$\Rightarrow 40 \text{ cm} - 6 \text{ cm} = \underline{\underline{34 \text{ cm}}}$$

$$\underline{5.} \quad 4 \cdot 4 \cdot 4 \cdot 6 = \underline{384 \text{ Seitenflachen "l}}$$

$$(2) \quad 6 \cdot 4 \cdot 4 = \underline{96 \text{ Seitenflachen wt "l}}$$

$$\Rightarrow 384 - 96 = \underline{\underline{288 \uparrow}}$$

$$\underline{6.} \quad 384 \text{ cm}^2 : 6 = \underline{64 \text{ cm}^2 \text{ "l}}$$

$$(2) \quad \curvearrowright \underline{s = 8 \text{ cm} \text{ "l}}$$

$$\Rightarrow k = 12 \cdot 8 \text{ cm} = \underline{\underline{96 \text{ cm} \uparrow}}$$

15 Pkt