

Lösungen AB 2 KA3

1. (a) $\frac{1}{4} = \frac{25}{100} = 0,25$

(b) $\frac{3}{10} = 0,3$

(c) $\frac{39}{50} = \frac{68}{100} = 0,68$

(d) $\frac{8}{25} = \frac{32}{100} = 0,32$

(e) $\frac{19}{20} = \frac{95}{100}$

(f) $\frac{4}{5} = \frac{8}{10} = 0,8$

2. (a) $\frac{3}{4} = 0,75$

$$\begin{array}{r|l} 3 & 4 \\ -0 & 0,75 \\ \hline 30 & \\ -28 & \\ \hline 20 & \\ -20 & \\ \hline 00 & \end{array}$$

(b) $\frac{1}{8} = 0,125$

$$\begin{array}{r|l} 1 & 8 \\ -0 & 0,125 \\ \hline 10 & \\ -8 & \\ \hline 20 & \\ -16 & \\ \hline 40 & \\ -40 & \\ \hline 00 & \end{array}$$

(c) $\frac{7}{16} = 0,4375$

$$\begin{array}{r|l} 7 & 16 \\ -0 & 0,4375 \\ \hline 70 & \\ -64 & \\ \hline 60 & \\ -48 & \\ \hline 120 & \\ -112 & \\ \hline 80 & \\ -80 & \\ \hline 00 & \end{array}$$

(d) $\frac{1}{3} = 0,\bar{3}$

$$\begin{array}{r|l} 1 & 3 \\ -0 & 0,3 \\ \hline 10 & \\ -9 & \\ \hline 1 & \end{array}$$

(e) $\frac{7}{11} = 0,\bar{63}$

$$\begin{array}{r|l} 7 & 11 \\ -0 & 0,63 \\ \hline 70 & \\ -66 & \\ \hline 40 & \\ -33 & \\ \hline 7 & \end{array}$$

$$(f) \frac{5}{9} = 0, \overline{5}$$

$$\begin{array}{r|l} 5 & 9 \\ -0 & 0,5 \\ \hline 50 & \\ -45 & \\ \hline 5 & \end{array}$$

3. (a) $19,467 \approx 19,47$ (c) $3,856 \approx 3,86$ (e) $11,02934 \approx 11,03$
 (b) $0,582 \approx 0,58$ (d) $1,235 \approx 1,24$ (f) $9,595 \approx 9,60$
4. (a) $0,4\frac{4}{10} = \frac{2}{5}$ (c) $2,25 = 2\frac{25}{100} = 2\frac{1}{4}$ (e) $0,0007 = \frac{7}{10000}$
 (b) $0,125 = \frac{125}{1000} = \frac{1}{8}$ (d) $1,93 = 1\frac{93}{100}$ (f) $0,132 = \frac{132}{1000} = \frac{33}{250}$
5. (a) $0,54 = 54\%$ (c) $0,2 = 20\%$ (e) $0,786 = 78,6\%$
 (b) $\frac{79}{100} = 79\%$ (d) $\frac{19}{50} = \frac{38}{100} = 38\%$ (f) $\frac{7}{10} = \frac{70}{100} = 70\%$
6. $\frac{3}{5} < 0,601 < 61\% < 0,611 < 0,6\overline{1} < \frac{13}{20} < 66\%$
7. (a) $23 \text{ cm} = 230 \text{ mm}$ (c) $2,74 \text{ km} = 2740 \text{ m}$ (e) $0,43 \text{ m} = 4,3 \text{ m}$
 (b) $0,6 \text{ m} = 6 \text{ dm}$ (d) $4,2 \text{ dm} = 420 \text{ cm}$ (f) $0,01 \text{ dm} = 0,1 \text{ cm}$
8. (a) $2,51 \text{ m} = 251 \text{ cm}$ (c) $2,1 \text{ dm} = 210 \text{ mm}$ (e) $795000 \text{ mm} = 795 \text{ m}$
 (b) $4900 \text{ m} = 4,9 \text{ km}$ (d) $0,014 \text{ km} = 1400 \text{ cm}$ (f) $20000 \text{ cm} = 0,2 \text{ km}$
9. (a) $32 \text{ dm}^2 = 3200 \text{ cm}^2$ (b) $4670 \text{ mm}^2 = 46,70 \text{ cm}^2$ (c) $1,43 \text{ dm}^2 = 143 \text{ cm}^2$
10. (a) $2,5 \text{ a} = 250 \text{ metre}^2$ (c) $1 \text{ ha} = 10000 \text{ m}^2$ (e) $0,06 \text{ km}^2 = 60000 \text{ m}^2$
 (b) $750 \text{ dm}^2 = 7,5 \text{ m}^2$ (d) $890000 \text{ cm}^2 = 89 \text{ m}^2$ (f) $0,57 \text{ ha} = 5700 \text{ m}^2$
11. Wandle in ha um.
- (a) $5,3 \text{ km}^2 = 530 \text{ ha}$ (b) $560 \text{ a} = 5,6 \text{ ha}$ (c) $90000 \text{ m}^2 = 9 \text{ ha}$