

LÖSUNGEN

Übungszettel Dezimalzahlen

1. Addition

$$\begin{array}{r} 33,42 \\ + 12,48 \\ \hline 45,90 \end{array}$$

$$\begin{array}{r} 3,342 \\ + 5,200 \\ \hline 8,542 \end{array}$$

$$\begin{array}{r} 7,777 \\ + 0,278 \\ \hline 8,055 \end{array}$$

$$\begin{array}{r} 21,267 \\ + 58,248 \\ \hline 79,515 \end{array}$$

$$\begin{array}{r} 2,689 \\ + 9,552 \\ \hline 12,241 \end{array}$$

$$\begin{array}{r} 0,356 \\ 0,694 \\ + 4,298 \\ \hline 5,348 \end{array}$$

$$\begin{array}{r} 2,022 \\ 0,087 \\ + 5,279 \\ \hline 7,388 \end{array}$$

$$\begin{array}{r} 985,4 \\ 21,4 \\ + 826,1 \\ \hline 1832,9 \end{array}$$

$$\begin{array}{r} 87,637 \\ 32,566 \\ + 58,268 \\ \hline 178,471 \end{array}$$

$$\begin{array}{r} 643,39 \\ 2134,29 \\ + 5352,99 \\ \hline 8130,67 \end{array}$$

2. Subtraktion

$$\begin{array}{r} 13,42 \\ - 2,48 \\ \hline 10,94 \end{array}$$

$$\begin{array}{r} 5,2742 \\ - 0,5299 \\ \hline 4,7443 \end{array}$$

$$\begin{array}{r} 176,57 \\ - 82,78 \\ \hline 93,79 \end{array}$$

$$\begin{array}{r} 9123,7 \\ - 5824,8 \\ \hline 3298,9 \end{array}$$

$$\begin{array}{r} 66,669 \\ - 9,752 \\ \hline 56,917 \end{array}$$

$$\begin{array}{r} 4,0007 \\ - 2,0480 \\ \hline 1,9527 \end{array}$$

$$\begin{array}{r} 0,6009 \\ - 0,5299 \\ \hline 0,0710 \end{array}$$

$$\begin{array}{r} 2,7657 \\ - 0,8278 \\ \hline 1,9379 \end{array}$$

$$\begin{array}{r} 7,1237 \\ - 4,3333 \\ \hline 2,7904 \end{array}$$

$$\begin{array}{r} 333,8 \\ - 222,9 \\ \hline 110,9 \end{array}$$

3. Multiplikation

$$\begin{array}{r} 4,3 \cdot 22 \\ 86 \\ 86 \\ \hline 94,6 \end{array}$$

$$\begin{array}{r} 26 \cdot 12,7 \\ 26 \\ 52 \\ 182 \\ \hline 330,2 \end{array}$$

$$\begin{array}{r} 4,7 \cdot 55,5 \\ 235 \\ 235 \\ 235 \\ \hline 260,85 \end{array}$$

$$\begin{array}{r} 9,34 \cdot 8,99 \\ 7472 \\ 8406 \\ 8406 \\ \hline 83,9666 \end{array}$$

$$\begin{array}{r} 67,7 \cdot 5,35 \\ 3385 \\ 2031 \\ 3385 \\ \hline 362,195 \end{array}$$

$$\begin{array}{r} 82 \cdot 8,83 \\ 656 \\ 656 \\ 246 \\ \hline 724,06 \end{array}$$

$$\begin{array}{r} 3,95 \cdot 1,807 \\ 395 \\ 3160 \\ 0000 \\ 2765 \\ \hline 7,13765 \end{array}$$

$$\begin{array}{r} 1,87 \cdot 3,41 \\ 561 \\ 748 \\ 187 \\ \hline 6,3767 \end{array}$$

$$\begin{array}{r} 1,394 \cdot 4,269 \\ 5576 \\ 2788 \\ 8364 \\ 12546 \\ \hline 5,950986 \end{array}$$

$$\begin{array}{r} 6,92 \cdot 98,15 \\ 6228 \\ 5536 \\ 692 \\ 3460 \\ \hline 679,1980 \end{array}$$

Berechne im Kopf:

$1,558 \cdot 10 = 15,58$	$0,08 \cdot 1\,000 = 80$	$6,18 \cdot 0,001 = 0,00618$
$2,078 \cdot 1000 = 2078$	$0,33 \cdot 100\,000 = 33\,000$	$98,897 \cdot 0,1 = 9,8897$
$3,19 \cdot 100 = 319$	$8,7 \cdot 0,01 = 0,087$	$1,09 \cdot 0,000\,01 = 0,0000109$
$5,0008 \cdot 10\,000 = 50\,008$	$0,8 \cdot 0,001 = 0,0008$	$12,01 \cdot 0,01 = 0,1201$
$0,0908 \cdot 1000 = 908$	$22,29 \cdot 0,01 = 0,2229$	$87,1 \cdot 0,01 = 0,871$
$0,0006 \cdot 10 = 0,006$	$2,2 \cdot 0,000\,01 = 0,000022$	$229,5 \cdot 0,0001 = 0,02295$

4. Division

Berechne im Kopf:

$9,98 : 10 = 0,998$	$0,78 : 10\ 000 = 0,000078$	$3,78 : 10 = 0,378$
$2,978 : 100 = 0,02978$	$5,57 : 100\ 000 = 0,0000557$	$95,872 : 100\ 000 = 0,00095872$
$3,44 : 1000 = 0,00344$	$4,2 : 100 = 0,042$	$7,4 : 100 = 0,074$

Rechne immer auf **genau zwei Dezimalstellen**.

$$44,3 : 13 = 3,407$$

$$\approx \underline{\underline{3,41}}$$

$$55,4 : 7 = 7,914$$

$$\approx \underline{\underline{7,91}}$$

$$877,7 : 60 = 14,628$$

$$\approx \underline{\underline{14,63}}$$

$$58,8 : 1,3 = 45,230$$

$$\approx \underline{\underline{45,23}}$$

$$152,4 : 5,7 = 26,736$$

$$\approx \underline{\underline{26,74}}$$

$$234,7 : 6,8 = 34,514$$

$$\approx \underline{\underline{34,51}}$$

$$5,08 : 1,05 = 4,838$$

$$\approx \underline{\underline{4,84}}$$

$$43,88 : 0,89 = 49,303$$

$$\approx \underline{\underline{49,30}}$$

$$0,07 : 0,003 = 23,333$$

$$\approx \underline{\underline{23,33}}$$

$$2,76 : 0,008 = \underline{\underline{345}}$$

$$3,24 : 1,04 = 3,115$$

$$\approx \underline{\underline{3,12}}$$

$$130,97 : 28,3 = 4,627$$

$$\approx \underline{\underline{4,63}}$$

5. Verbindung der vier Grundrechenarten

Schreibe die Aufgaben in dein Heft. Rechne in **ZEILEN!** Mache Nebenrechnungen daneben!!!

a. $2,5 \cdot (3,8 - 1,6) = \underline{\underline{5,5}}$

b. $1,8 \cdot [17,8 - (12,2 + 8,6) \cdot 0,2] = \underline{\underline{24,552}}$

c. $3,8 \cdot 2,2 + (17,9 - 4,3) \cdot 3,6 = \underline{\underline{57,32}}$

d. $58,8 - \{2,5 + 3,1 \cdot [20,9 - 4,1 \cdot (18,6 - 14,5)]\} = \underline{\underline{43,621}}$

e. $[13,3 - 2,8 + 6,6 \cdot (12,2 - 8,98)] \cdot [2,3 + 6,1 \cdot (11,1 - 10,98)] = \underline{\underline{96,272064}}$