

1 Erkläre.

Beispiel für eine Erklärung:

9 : 3 geht 3-mal, $3 \cdot 3 = 9$, 0 bleibt übrig.

1 : 3 geht 0-mal, $3 \cdot 0 = 0$, 1 bleibt übrig. Ich schreibe im Ergebnis eine 0.
Das darf ich nicht vergessen, weil sonst das Ergebnis zu wenig Stellen hat.

Ich tausche 1 Z in 10 E. $18 : 3 = 6$, $6 \cdot 3 = 18$, alle 18 E sind verteilt.

2 Achte auf die 0 im Ergebnis. Setze Bögen und Punkte.

$$\begin{array}{r} \overbrace{2436} \\ - 24 \\ \hline 03 \\ - 0 \\ \hline 36 \\ - 36 \\ \hline 0 \end{array} : 4 = \overset{\cdot}{6} \overset{\cdot}{0} \overset{\cdot}{9}$$

$$\begin{array}{r} 4824 : 3 = \overset{\cdot}{1} \overset{\cdot}{6} \overset{\cdot}{0} \overset{\cdot}{8} \\ - 3 \\ \hline 18 \\ - 18 \\ \hline 02 \\ - 0 \\ \hline 24 \\ - 24 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 8456 : 8 = \overset{\cdot}{1} \overset{\cdot}{0} \overset{\cdot}{5} \overset{\cdot}{7} \\ - 8 \\ \hline 04 \\ - 0 \\ \hline 45 \\ - 40 \\ \hline 56 \\ - 56 \\ \hline 0 \end{array}$$

$$\begin{array}{r} \overbrace{1442} \\ - 14 \\ \hline 04 \\ - 0 \\ \hline 42 \\ - 42 \\ \hline 0 \end{array} : 7 = \overset{\cdot}{2} \overset{\cdot}{0} \overset{\cdot}{6}$$

$$\begin{array}{r} \overbrace{4563} \\ - 45 \\ \hline 06 \\ - 0 \\ \hline 63 \\ - 63 \\ \hline 0 \end{array} : 9 = \overset{\cdot}{5} \overset{\cdot}{0} \overset{\cdot}{7}$$

$$\begin{array}{r} 8464 : 8 = \overset{\cdot}{1} \overset{\cdot}{0} \overset{\cdot}{5} \overset{\cdot}{8} \\ - 8 \\ \hline 04 \\ - 0 \\ \hline 46 \\ - 40 \\ \hline 64 \\ - 64 \\ \hline 0 \end{array}$$

$$\begin{array}{r}
 \text{b) } \overbrace{31218} : 6 = \overset{\cdot}{5} \overset{\cdot}{2} \overset{\cdot}{0} \overset{\cdot}{3} \\
 \underline{- 30} \\
 12 \\
 \underline{- 12} \\
 01 \\
 \underline{- 0} \\
 18 \\
 \underline{- 18} \\
 0
 \end{array}$$

$$\begin{array}{r}
 \overbrace{77224} : 7 = \overset{\cdot}{1} \overset{\cdot}{1} \overset{\cdot}{0} \overset{\cdot}{3} \overset{\cdot}{2} \\
 \underline{- 7} \\
 07 \\
 \underline{- 7} \\
 02 \\
 \underline{- 0} \\
 22 \\
 \underline{- 21} \\
 14 \\
 \underline{- 14} \\
 0
 \end{array}$$

$$\begin{array}{r}
 \overbrace{32140} : 4 = \overset{\cdot}{8} \overset{\cdot}{0} \overset{\cdot}{3} \overset{\cdot}{5} \\
 \underline{- 32} \\
 01 \\
 \underline{- 0} \\
 14 \\
 \underline{- 12} \\
 20 \\
 \underline{- 20} \\
 0
 \end{array}$$

$$\begin{array}{r}
 \overbrace{41648} : 8 = \overset{\cdot}{5} \overset{\cdot}{2} \overset{\cdot}{0} \overset{\cdot}{6} \\
 \underline{- 40} \\
 16 \\
 \underline{- 16} \\
 04 \\
 \underline{- 0} \\
 48 \\
 \underline{- 48} \\
 0
 \end{array}$$

$$\begin{array}{r}
 \overbrace{64134} : 6 = \overset{\cdot}{1} \overset{\cdot}{0} \overset{\cdot}{6} \overset{\cdot}{8} \overset{\cdot}{9} \\
 \underline{- 6} \\
 04 \\
 \underline{- 0} \\
 41 \\
 | \\
 \underline{- 36} \\
 53 \\
 | \\
 \underline{- 48} \\
 54 \\
 \underline{- 54} \\
 0
 \end{array}$$

$$\begin{array}{r}
 \overbrace{143752} : 7 = \overset{\cdot}{2} \overset{\cdot}{0} \overset{\cdot}{5} \overset{\cdot}{3} \overset{\cdot}{6} \\
 \underline{- 14} \\
 03 \\
 \underline{- 0} \\
 37 \\
 \underline{- 35} \\
 25 \\
 \underline{- 21} \\
 42 \\
 \underline{- 42} \\
 0
 \end{array}$$

$$\begin{array}{r}
 \overbrace{45468} : 9 = \overset{\cdot}{5} \overset{\cdot}{0} \overset{\cdot}{5} \overset{\cdot}{2} \\
 \underline{- 45} \\
 04 \\
 \underline{- 0} \\
 46 \\
 \underline{- 45} \\
 18 \\
 \underline{- 18} \\
 0
 \end{array}$$

$$\begin{array}{r}
 \overbrace{275420} : 5 = \overset{\cdot}{5} \overset{\cdot}{5} \overset{\cdot}{0} \overset{\cdot}{8} \overset{\cdot}{4} \\
 \underline{- 25} \\
 25 \\
 \underline{- 25} \\
 04 \\
 \underline{- 0} \\
 42 \\
 \underline{- 40} \\
 20 \\
 \underline{- 20} \\
 0
 \end{array}$$

3) Achte auch hier auf die 0 im Ergebnis. Setze Bögen und Punkte.

$$\begin{array}{r} \overbrace{3240} : 6 = \overset{\cdot}{5} \overset{\cdot}{4} \overset{\cdot}{0} \\ - 30 \\ \hline 24 \\ - 24 \\ \hline 00 \\ - 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} \overbrace{9380} : 7 = \overset{\cdot}{1} \overset{\cdot}{3} \overset{\cdot}{4} \overset{\cdot}{0} \\ - 7 \\ \hline 23 \\ - 21 \\ \hline 28 \\ - 28 \\ \hline 00 \\ - 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} \overbrace{4080} : 6 = \overset{\cdot}{6} \overset{\cdot}{8} \overset{\cdot}{0} \\ | \\ - 36 \\ \hline 48 \\ - 48 \\ \hline 00 \\ - 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} \overbrace{5040} : 8 = \overset{\cdot}{6} \overset{\cdot}{3} \overset{\cdot}{0} \\ | \\ - 48 \\ \hline 24 \\ - 24 \\ \hline 00 \\ - 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} \overbrace{9180} : 9 = \overset{\cdot}{1} \overset{\cdot}{0} \overset{\cdot}{2} \overset{\cdot}{0} \\ - 9 \\ \hline 01 \\ - 0 \\ \hline 18 \\ - 18 \\ \hline 00 \\ - 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} \overbrace{5390} : 7 = \overset{\cdot}{7} \overset{\cdot}{7} \overset{\cdot}{0} \\ | \\ - 49 \\ \hline 49 \\ - 49 \\ \hline 00 \\ - 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r}
 \overbrace{1\ 6\ 4\ 4\ 0} : 3 = \overset{\cdot}{5}\ \overset{\cdot}{4}\ \overset{\cdot}{8}\ \overset{\cdot}{0} \\
 \underline{- 1\ 5} \\
 1\ 4 \\
 \underline{- 1\ 2} \\
 2\ 4 \\
 \underline{- 2\ 4} \\
 0\ 0 \\
 \underline{- 0} \\
 0
 \end{array}$$

$$\begin{array}{r}
 \overbrace{6\ 2\ 1\ 4\ 8} : 6 = \overset{\cdot}{1}\ \overset{\cdot}{0}\ \overset{\cdot}{3}\ \overset{\cdot}{5}\ \overset{\cdot}{8} \\
 \underline{- 6} \\
 0\ 2 \\
 \underline{- 0} \\
 2\ 1 \\
 | \\
 \underline{- 1\ 8} \\
 3\ 4 \\
 \underline{- 3\ 0} \\
 4\ 8 \\
 \underline{- 4\ 8} \\
 0
 \end{array}$$

$$\begin{array}{r}
 \overbrace{4\ 9\ 9\ 8\ 0} : 6 = \overset{\cdot}{8}\ \overset{\cdot}{3}\ \overset{\cdot}{3}\ \overset{\cdot}{0} \\
 \underline{- 4\ 8} \\
 1\ 9 \\
 \underline{- 1\ 8} \\
 1\ 8 \\
 \underline{- 1\ 8} \\
 0\ 0 \\
 \underline{- 0} \\
 0
 \end{array}$$

$$\begin{array}{r}
 \overbrace{3\ 6\ 4\ 8\ 0} : 8 = \overset{\cdot}{4}\ \overset{\cdot}{5}\ \overset{\cdot}{6}\ \overset{\cdot}{0} \\
 \underline{- 3\ 2} \\
 4\ 4 \\
 \underline{- 4\ 0} \\
 4\ 8 \\
 \underline{- 4\ 8} \\
 0\ 0 \\
 \underline{- 0} \\
 0
 \end{array}$$

$$\begin{array}{r}
 \overbrace{4\ 9\ 3\ 2\ 0} : 9 = \overset{\cdot}{5}\ \overset{\cdot}{4}\ \overset{\cdot}{8}\ \overset{\cdot}{0} \\
 \underline{- 4\ 5} \\
 4\ 3 \\
 | \\
 \underline{- 3\ 6} \\
 7\ 2 \\
 \underline{- 7\ 2} \\
 0\ 0 \\
 \underline{- 0} \\
 0
 \end{array}$$

$$\begin{array}{r}
 \overbrace{7\ 5\ 4\ 9\ 9\ 2} : 7 = \overset{\cdot}{1}\ \overset{\cdot}{0}\ \overset{\cdot}{7}\ \overset{\cdot}{8}\ \overset{\cdot}{5}\ \overset{\cdot}{6} \\
 \underline{- 7} \\
 0\ 5 \\
 \underline{- 0} \\
 5\ 4 \\
 | \\
 \underline{- 4\ 9} \\
 5\ 9 \\
 \underline{- 5\ 6} \\
 3\ 9 \\
 \underline{- 3\ 5} \\
 4\ 2 \\
 \underline{- 4\ 2} \\
 0
 \end{array}$$

$$\overbrace{61062} : 3 = \overset{\cdot}{2}\overset{\cdot}{0}\overset{\cdot}{3}\overset{\cdot}{5}\overset{\cdot}{4}$$

$$\begin{array}{r} 61062 : 3 = 20354 \\ - 6 \\ \hline 01 \\ - 0 \\ \hline 10 \\ | \\ - 9 \\ \hline 16 \\ - 15 \\ \hline 12 \\ - 12 \\ \hline 0 \end{array}$$

$$\overbrace{855432} : 9 = \overset{\cdot}{9}\overset{\cdot}{5}\overset{\cdot}{0}\overset{\cdot}{4}\overset{\cdot}{8}$$

$$\begin{array}{r} 855432 : 9 = 95048 \\ - 81 \\ \hline 45 \\ - 45 \\ \hline 04 \\ - 0 \\ \hline 43 \\ | \\ - 36 \\ \hline 72 \\ - 72 \\ \hline 0 \end{array}$$