

## DIVISION OF THREE DIGITS

Divide three-digit numbers by one number:

$$426 \div 3 = ?$$

**Step 1:** Set up division problem as it shows on the left.

$$\begin{array}{r} 1 \\ 3 \overline{) 426} \\ \underline{- 3} \phantom{0} \\ 1 \phantom{0} \end{array}$$

**Step 2:** Ask yourself, can 4 be divided by 3 to produce a whole number? Yes! 4 can be divided by 3...1 time. Put 1 above the 4. Then multiply  $3 \times 1 = 3$ . Put 3 below 4. Subtract  $4 - 3 = 1$ .

$$\begin{array}{r} 14 \\ 3 \overline{) 426} \\ \underline{- 3} \phantom{0} \\ 12 \phantom{0} \\ \underline{- 12} \phantom{0} \\ 0 \phantom{0} \end{array}$$

**Step 3:** Carry down 2. can 12 be divided by 3 to



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$$\begin{array}{r} 142 \\ 3 \overline{) 426} \\ \underline{- 3} \phantom{0} \\ 12 \phantom{0} \\ \underline{- 12} \phantom{0} \\ 06 \phantom{0} \end{array}$$

Put the 2 above the 6. Then multiply  $3 \times 2 = 6$ . Put 6 below the 6. Subtract  $6 - 6 = 0$ .

$$\begin{array}{r} 142 \\ 3 \overline{) 426} \\ \underline{- 3} \phantom{0} \\ 12 \phantom{0} \\ \underline{- 12} \phantom{0} \\ 06 \phantom{0} \\ \underline{- 6} \phantom{0} \\ 0 \phantom{0} \end{array}$$

There are no numbers left to divide and there is no remainder.

**Your Answer:**  $426 \div 3 = 142$

## Divide three-digit numbers by two-digit numbers:

$$264 \div 12 = ?$$

$12 \overline{) 264}$     **Step 1:** Set up division problem as it is on the left.

$$\begin{array}{r}
 2 \\
 \hline
 12 \overline{) 264} \\
 \underline{- 24} \phantom{0} \\
 2
 \end{array}$$

**Step 2:** 2 can't be divided by 12, so ask, can 26 be divided by 12 to produce a whole number? Yes! 26 can be divided by 12...2 times. Put 2 above the 6. Then multiply  $12 \times 2 = 24$ . Put 24 below the 26. Subtract  $26 - 24 = 2$ .



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$$\begin{array}{r}
 22 \\
 \hline
 12 \overline{) 264} \\
 \underline{12 \dots 2} \phantom{0} - \\
 12 \times 2 = 24 \\
 \phantom{12} 24 \\
 \underline{- 24} \\
 0
 \end{array}$$

2 to  
ed by  
n multiple

$$\begin{array}{r}
 22 \\
 \hline
 12 \overline{) 264} \\
 \underline{- 24} \phantom{0} \\
 24 \\
 \underline{- 24} \\
 0
 \end{array}$$

There are no numbers left to divide and there is no remainder

**Your Answer:**       $264 \div 12 = 22$