

DIVISION OF THREE DIGITS

Divide three-digit numbers by one number: $426 \div 3 = ?$

$$3 \overline{) 426}$$

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

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

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 $4 - 3 = 1$.

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

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



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

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.

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

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 $26 - 24 = 2$.

$$\begin{array}{r} 22 \\ 12 \overline{) 264} \\ \underline{- 24} \\ 2 \end{array}$$

Step 3: Carry down 4. Can 24 be divided by 12 to produce a whole number? Yes. 24 can be divided by

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$$\begin{array}{r} 12 \overline{) 264} \\ \underline{- 24} \end{array}$$

is no remainder.

$$\begin{array}{r} 22 \\ 12 \overline{) 264} \\ \underline{- 24} \\ 2 \\ \underline{- 24} \\ 0 \end{array}$$

Your Answer: $264 \div 12 = 22$