

One Alternate Strategy for Division: Missing Factor

Delia owns a sports and fun store. She had 56 tiger's-eye marbles to put into 4 bags. How many marbles can she put into each bag?

$$56 \div 4 = \boxed{}$$

$$4 \times \boxed{} = 56$$

Write an equivalent multiplication sentence.

$$4 \times \begin{array}{|c|} \hline 10 \\ \hline \end{array} = \begin{array}{|c|} \hline 40 \\ \hline 16 \\ \hline \end{array}$$

Put 10 marbles in each bag. 40 marbles are used.

16 are left to be put in bags.

$$4 \times \begin{array}{|c|} \hline 4 \\ \hline 14 \\ \hline \end{array} = \begin{array}{|c|} \hline 16 \\ \hline 0 \\ \hline \end{array}$$

Then 4 more marbles can be put in each bag, which uses all 16 that were left.

14 total marbles went in each bag.

Try it on this problem:

2,520 envelopes
40 in a box

How many boxes?

$$2520 \div 40 = \boxed{}$$