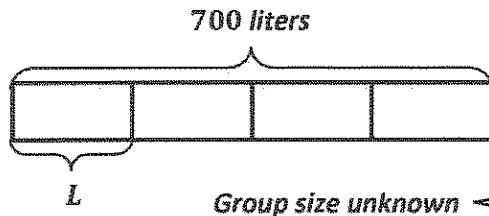


G4-M3-Lesson 31

Solve the following problems. Draw tape diagrams to help you solve. Identify if the group size or the number of groups is unknown.

1. 700 liters of water was shared equally among 4 aquariums. How many liters of water does each aquarium have?



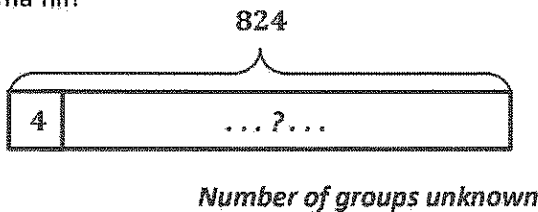
I draw a tape diagram to show 4 aquariums. I need to find the value of each aquarium, or the size of the group.

$$\begin{array}{r}
 175 \\
 4 \overline{) 700} \\
 \underline{- 4} \\
 30 \\
 \underline{- 28} \\
 20 \\
 \underline{- 20} \\
 0
 \end{array}$$

I divide 700 by 4 to find the value of 1 aquarium, or group.

Each aquarium has 175 liters of water.

2. Emma separated 824 donuts into boxes. Each box contained 4 donuts. How many boxes of donuts did Emma fill?



I do not know how many boxes were filled. I show one group of 4. I draw three dots, a question mark, and three dots to indicate that the groups of 4 continue. The number of groups is unknown.

$$\begin{array}{r}
 206 \\
 4 \overline{) 824} \\
 \underline{- 8} \\
 02 \\
 \underline{- 0} \\
 24 \\
 \underline{- 24} \\
 0
 \end{array}$$

Emma filled 206 boxes of donuts.

I divide 824 by 4 to find the number of groups.