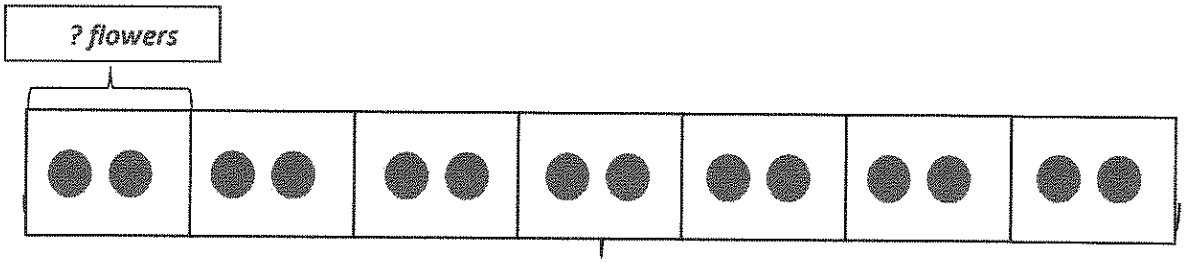
G3-M1-Lesson 12

1. Mrs. Harris divides 14 flowers equally into 7 groups for students to study. Draw flowers to find the number in each group. Label known and unknown information on the tape diagram to help you solve.

I know the total number of flowers and the number of groups. I need to solve for the number of flowers in each group.



14 flowers

I can label the value of the tape diagram as "14 flowers". The number of units in the tape diagram, 7, represents the number of groups. I can label the unknown, which is the value of each unit, as "? flowers". I can draw 1 flower in each unit until I have a total of 14 flowers. I can draw dots instead of flowers to be more efficient!

I can use my tape diagram to solve the problem by counting the number of dots in each unit.

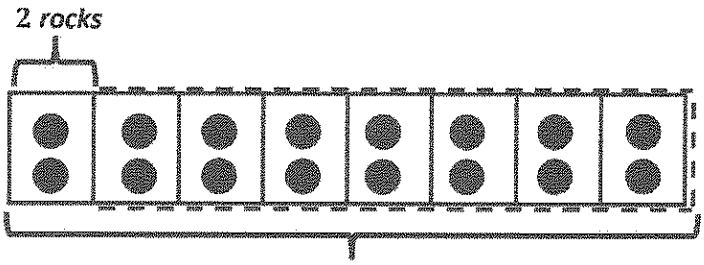
$7 \times \_\_2\_\_ = 14$

$14 \div 7 = \_\_2\_\_$

There are __2__ flowers in each group.

2. Lauren finds 2 rocks each day for her rock collection. How many days will it take Lauren to find 16 rocks for her rock collection?

I know the total is 16 rocks. I know Lauren finds 2 rocks each day, which is the size of each group. I need to figure out how many days it will take her to collect 16 rocks. The unknown is the number of groups.



I can draw a tape diagram to solve this problem. I can draw a unit of 2 to represent the 2 rocks that Lauren collects each day. I can draw a dotted line to estimate the total days. I can draw units of 2 until I have a total of 16 rocks. I can count the number of units to find the answer.

$16 \div 2 = 8$

I know the answer is 8 because my tape diagram shows 8 units of 2.

It will take Lauren 8 days to find 16 rocks.

I can write a statement to answer the question.