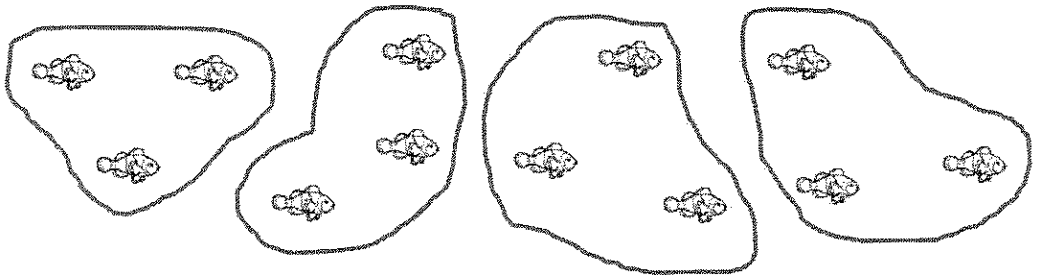
G3-M1-Lesson 13

1. Mr. Stroup's pet fish are shown below. He keeps 3 fish in each tank.

   a. Circle to show how many fish tanks he has. Then, skip-count to find the total number of fish.

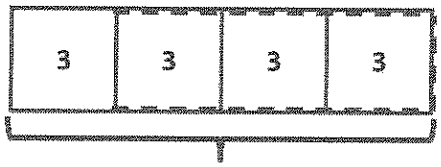


3 6 9 12

I can circle groups of 3 fish and skip-count by 3 to find the total number of fish. I can count the number of groups to figure out how many fish tanks Mr. Stroup has.

Mr. Stroup has a total of 12 fish in 4 tanks.

   b. Draw and label a tape diagram to represent the problem.



12 *fish*

? fish tanks

I can use the picture in part (a) to help me draw a tape diagram. Each fish tank has 3 fish, so I can label each unit with the number 3. I can draw a dotted line to estimate the total fish tanks. I can label the total as 12 fish. Then I can draw units of 3 until I have a total of 12 fish.

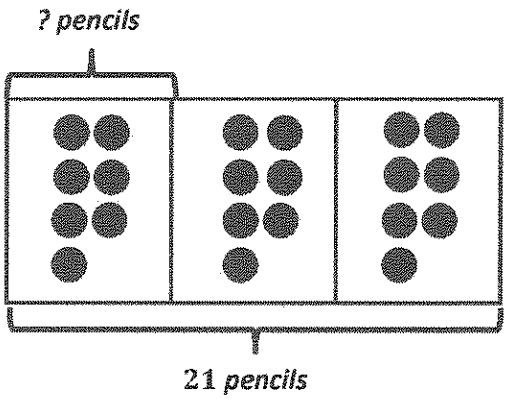
The picture and the tape diagram both show that there are 4 fish tanks. The picture shows 4 equal groups of 3, and the tape diagram shows 4 units of 3.

12 ÷ 3 = 4

Mr. Stroup has 4 fish tanks.

2. A teacher has 21 pencils. They are divided equally among 3 students. How many pencils does each student get?

I can draw a tape diagram to solve this problem. I can draw 3 units to represent the 3 students. I can label the total number of pencils as 21 pencils. I need to figure out how many pencils each student gets.



I know that I can divide 21 by 3 to solve. I don't know $21 \div 3$, so I can draw one dot in each unit until I have a total of 21 dots. I can count the number of dots in one unit to find the quotient.

$21 \div 3 = 7$

I know the answer is 7 because my tape diagram shows 3 units of 7.

Each student will get 7 pencils.

I can write a statement to answer the question.