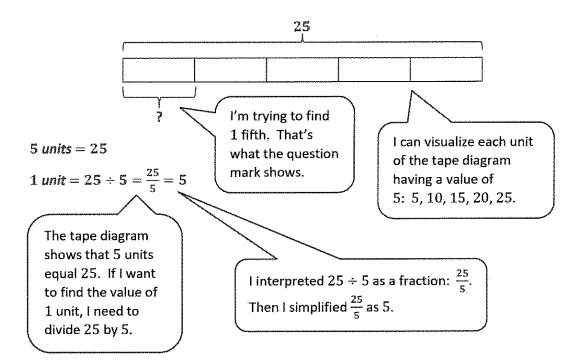
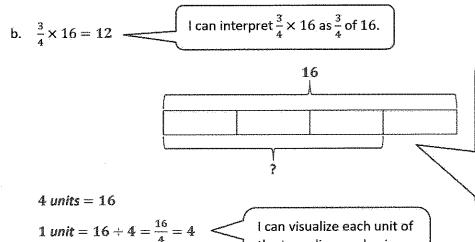
G5-M4-Lesson 7

Solve using a tape diagram.

a.
$$\frac{1}{5}$$
 of $25 = 5$

I can draw a tape diagram and label the whole as 25. I need to find fifths, so I partition the whole into five units, or parts.



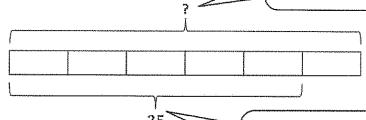


The tape diagram shows the whole as 16 partitioned into 4 parts. I found the value of one unit and then multiplied that by three to find the value of 3 units.

I can visualize each unit of the tape diagram having a value of 4: 4, 8, 12, 16. I can interpret this as $\frac{5}{6}$ of ? = 25.

c. $\frac{5}{6}$ of a number is 25. What's the number?

In this problem, I am given the value of some parts, and I need to find the value of the whole.



5 units = 25

1 *unit* =
$$25 \div 5 = \frac{25}{5} = 5$$

 $6 \text{ units} = 6 \times 5 = 30$

The number is 30.

 $\frac{5}{6}$ = 25, so these 5 units have a value of 25. If I can find the value of 1 unit, I can find the value of 6 units, or the whole.

I can visualize each unit of the tape diagram having a value of 5: 5, 10, 15, 20, 25, 30.