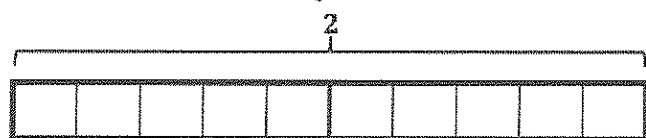


G5-M4-Lesson 27

1. Owen ordered 2 mini cakes for a birthday party. The cakes were sliced into fifths. How many slices were there? Draw a picture to support your response.

I draw a tape diagram and label 2 for the 2 mini cakes.



I cut each cake into 5 equal units and get a total of 10 units.

I can think, "How many fifths are in 2?"

5 fifths in 1 cake

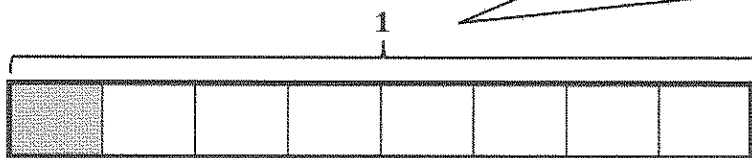
10 fifths in 2 cakes

$$2 \div \frac{1}{5} = 10$$

There were 10 slices.

2. Alex has $\frac{1}{8}$ of a pizza left over. He wants to give the leftover pizza to 3 friends to share equally. What fraction of the original pizza will each friend receive? Draw a picture to support your response.

I draw a tape diagram and label it 1 to represent the whole pizza. I cut it into 8 equal units and shade 1 unit to represent the $\frac{1}{8}$ that Alex has.



Since the $\frac{1}{8}$ of a pizza is being shared by 3 friends, I partition the eighth into 3 equal parts. If I did that with the other $\frac{7}{8}$, that would make a total of 24 units.

Three friends are sharing $\frac{1}{8}$ of a pizza. I'll divide $\frac{1}{8}$ by 3 to find how much each friend will receive.

$$\frac{1}{8} \div 3$$

$$= 1 \text{ eighth} \div 3$$

$$= 3 \text{ twenty-fourths} \div 3$$

$$= 1 \text{ twenty-fourth}$$

Each friend will receive $\frac{1}{24}$ of a pizza.

One eighth is equal to 3 twenty-fourths. Three twenty-fourths divided by 3 is equal to 1 twenty-fourth.