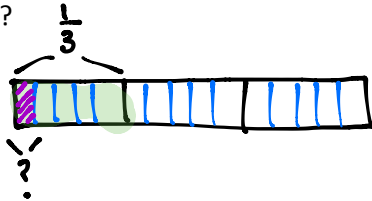


Name \_\_\_\_\_

Date \_\_\_\_\_

1. Chase volunteers at an animal shelter after school, feeding and playing with the cats.

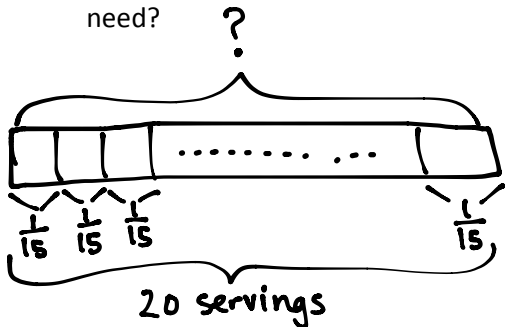
a. If he can make 5 servings of cat food from a third of a kilogram of food, how much does one serving weigh?



$$\frac{1}{3} \div 5 = \frac{1}{15}$$

One serving weighs  $\frac{1}{15}$  kg.

b. If Chase wants to give this same serving size to each of 20 cats, how many kilograms of food will he need?



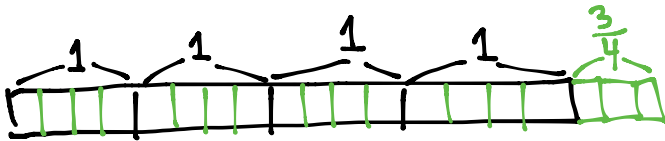
$$20 \times \frac{1}{15} = \frac{20}{15} = \frac{4}{3} = 1\frac{1}{3}$$

Chase will need  $1\frac{1}{3}$  kg of food.

2. Anouk has 4.75 pounds of meat. She uses a quarter pound of meat to make one hamburger.

a. How many hamburgers can Anouk make with the meat she has?

$$4.75 \div \frac{1}{4} = 4\frac{3}{4} \div \frac{1}{4}$$



4 fourths in 1 whole  
16 fourths in 4 wholes  
3 fourths in  $\frac{3}{4}$ .  
19 fourths in  $4\frac{3}{4}$

She can make 19 hamburgers

b. Sometimes Anouk makes sliders. Each slider is half as much meat as is used for a regular hamburger. How many sliders could Anouk make with the 4.75 pounds?

$$4.75 \div \frac{1}{8} = 4\frac{3}{4} \div \frac{1}{8} \rightarrow \begin{cases} 4 \div \frac{1}{8} = 4 \times 8 = 32 \\ \frac{3}{4} \div \frac{1}{8} = 6 \end{cases}$$

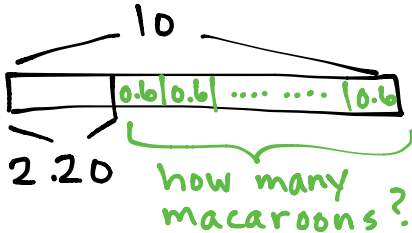
$$4\frac{3}{4} \div \frac{1}{8} = 38$$

She can make 38 sliders.



3. Ms. Geronimo has a \$10 gift certificate to her local bakery.

a. If she buys a slice of pie for \$2.20 and uses the rest of the gift certificate to buy chocolate macaroons that cost \$0.60 each, how many macaroons can Ms. Geronimo buy?



$$\begin{array}{r} 10.00 \\ - 2.20 \\ \hline 7.80 \end{array}$$

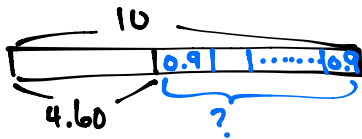
$$7.80 \div 0.60 = \frac{7.80}{0.60}$$

$$= \frac{7.80}{0.60} \times \frac{10}{10} = \frac{78}{6} = 13$$

She can buy 13 macaroons.

b. If she changes her mind and instead buys a loaf of bread for \$4.60 and uses the rest to buy cookies that cost  $1\frac{1}{2}$  times as much as the macaroons, how many cookies can she buy?

$$1\frac{1}{2} \times 0.60 = 0.90$$



$$\begin{array}{r} 10.00 \\ - 4.60 \\ \hline 5.40 \end{array}$$

$$5.40 \div 0.90 = \frac{5.40}{0.90}$$

$$= \frac{5.40}{0.90} \times \frac{10}{10} = \frac{54}{9} = 6$$

She can buy 6 cookies.

4. Create a story context for the following expressions.

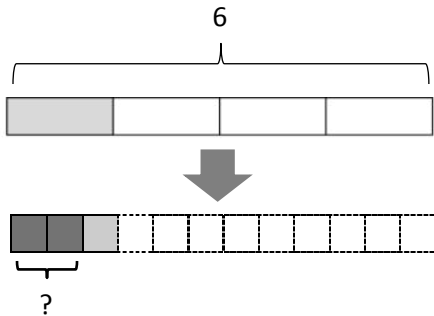
a.  $(5\frac{1}{4} - 2\frac{1}{8}) \div 4$

Joe has  $5\frac{1}{4}$  pound of flour and uses  $2\frac{1}{8}$  pound to make a pizza. He puts the remaining flour into four jars. How much flour is in each jar?

b.  $4 \times (\frac{4.8}{0.8})$

Macaroons cost \$0.80. Four days in a row Marta spends \$4.80 each day buying as many macaroons as she can. How many macaroons will she buy altogether?

5. Create a story context for the following tape diagram.



Lisa took her \$6 and divided it equally into 4 envelopes. She then spent  $\frac{2}{3}$  of the money in one envelope on ear rings. How much money did Lisa spend?