

Date: \_\_\_\_\_

## Chapter 13 Lesson B: Relate Parts to its Whole (13.B.1)

Q1. The ice creams below are  $\frac{1}{2}$  of all the ice creams that Serene has.



How many ice creams does Serene have altogether?

- First we look at the fraction  $\Rightarrow$  half or  $\frac{1}{2} \Rightarrow$  we have 2 groups.
- Then we count the ice creams = 5 ice creams in one group.

$\frac{1}{2}$	$\frac{1}{2}$
5	?

- We have 5 in each group so we can either add  $5 + 5 = 10$ , or we can multiply the number of groups  $\times$  number of items in each group:

2 groups       $\times$       5 ice creams

\_\_\_\_\_ ice creams

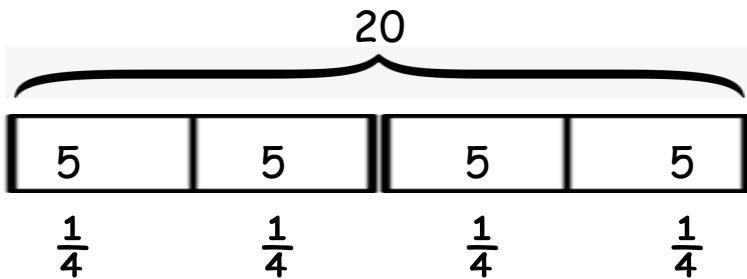
Q2. Mike bought 20 hot dogs.

$\frac{1}{4}$  of the hot dogs had ketchup on them while the rest had mustard.

How many hot dogs have mustard on them?

- First look at the fraction  $\Rightarrow$  one quarter or  $\frac{1}{4} \Rightarrow$  we have 4 groups.
- We know all the items are 20 so we equally divide 20 into 4 groups.

$$20 \div 4 = 5$$



[ketchup]

\_\_\_\_\_ all hot dogs

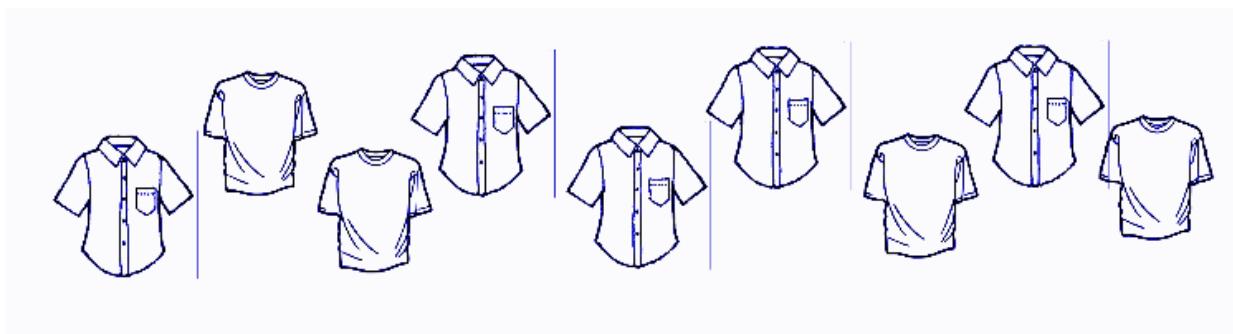
Q3. Mariam has 100 roses.

She gives  $\frac{1}{5}$  of them to her friend.

How many roses are left?

\_\_\_\_\_ roses

Q4. These are  $\frac{3}{6}$  of the shirts in a closet.

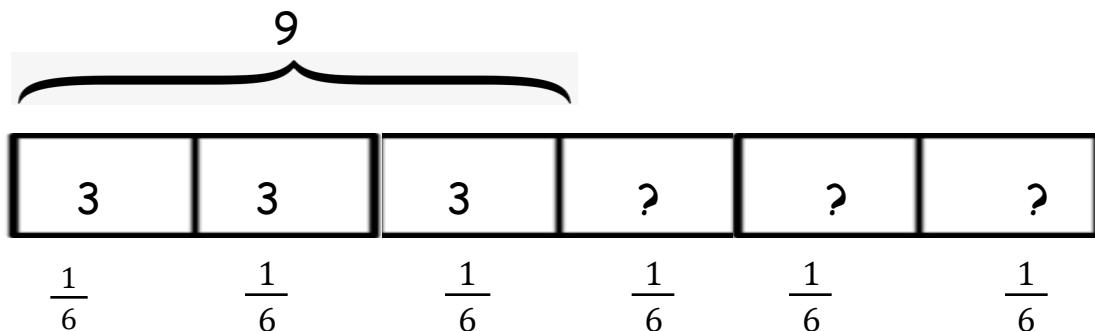


a) How many shirts are there altogether?

- By looking at the fraction  $\frac{3}{6}$  , we can find the number of groups:

**6 groups in total**, but what we can see is only 3 parts of 6.

- The shirts we can see are 9. We can divide 9 into **3 groups** of 3.

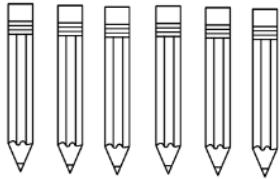


\_\_\_\_\_ shirts

b) How many shirts are missing ?

\_\_\_\_\_ shirts

Q5. Mark has many pencils in his pencil case, he takes out  $\frac{2}{8}$  only.



parts

whole

a) How many pencils were in his pencil case in the **beginning** ?

b) If he breaks 5 of them, what is the fraction of the pencils left **unbroken**?

\_\_\_\_\_ pencils