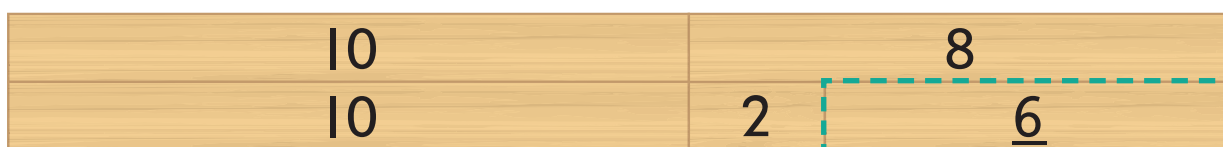
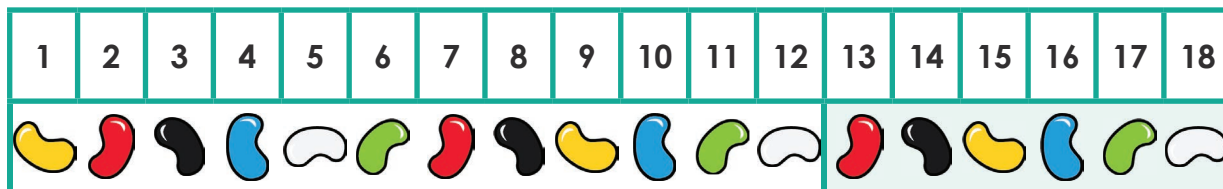


## Question 1

## Part-Part-Whole / Active

Kyle ate some lollies from the packet. There were 12 left. Before Kyle started eating there were 18 lollies.

How many did he eat?



Whole	
Part	Part Unknown

18	
12	6

$$12 + \boxed{6} = 18$$

$$18 - \boxed{6} = 12$$

$$18 - 12 = \boxed{6}$$

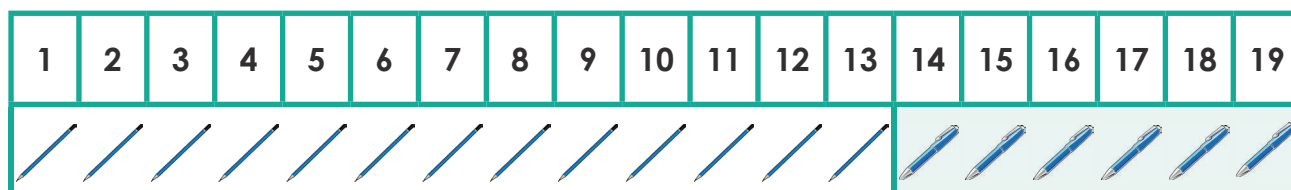
Kyle ate 6 lollies.

## Question 2

## Part-Part-Whole / Static

In a pencil case there were 13 pencils and the rest were pens. Altogether there were 19 items in the pencil case.

How many were pens?



Whole	
Part	Part Unknown

19	
13	6

$$13 + \boxed{6} = 19$$

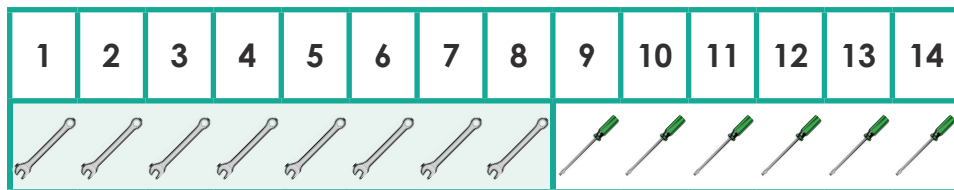
$$19 - 13 = \boxed{6}$$

There were 6 pens.

## Question 3

Part-Part-Whole / Static

Dad had some spanners in his toolbox and 6 screwdrivers. This made 14 tools altogether. *How many screwdrivers did he have?*



Whole	
Part Unknown	Part

14	
8	6

$$6 + 8 = 14$$

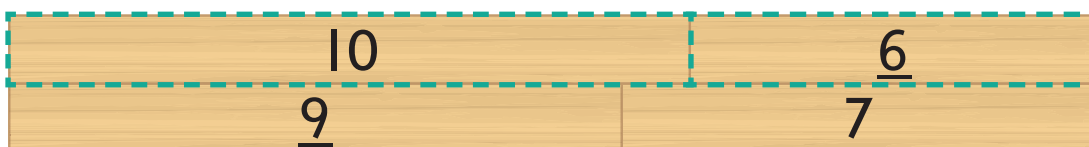
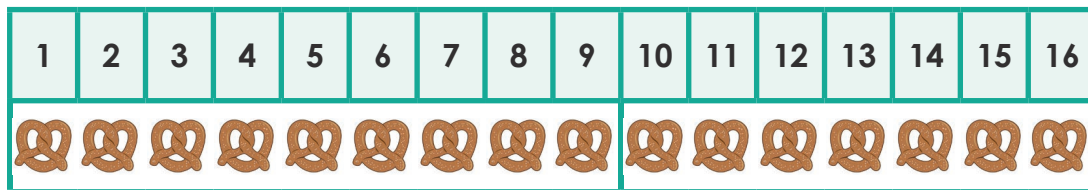
$$14 - 6 = 8$$

Dad had 8 spanners.

## Question 4

Part-Part-Whole / Active

Mum bought a packet of pretzels for her children to eat after school. After the children had eaten 7 there were 9 left in the packet. *How many were there in the packet to start?*



Whole Unknown	
Part	Part

16	
9	7

$$9 + 7 = 16$$

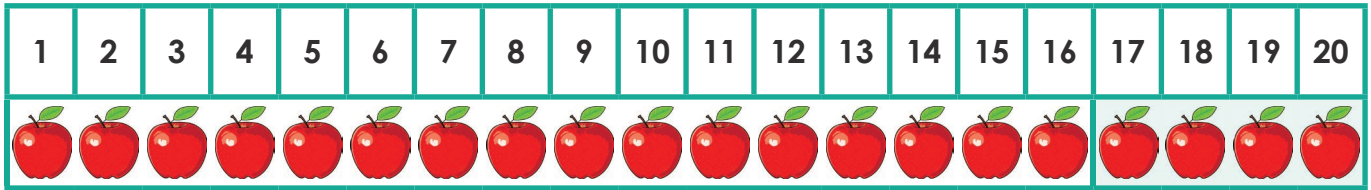
There were 16 pretzels in the packet to start with.

## Question 5

## Part-Part-Whole / Active

There were 20 apples on an apple tree. The farmer picked the ripest. This left 16 on the tree.

How many did the farmer pick?



Whole	
Part	Part Unknown

20	
16	4

$$16 + 4 = 20$$

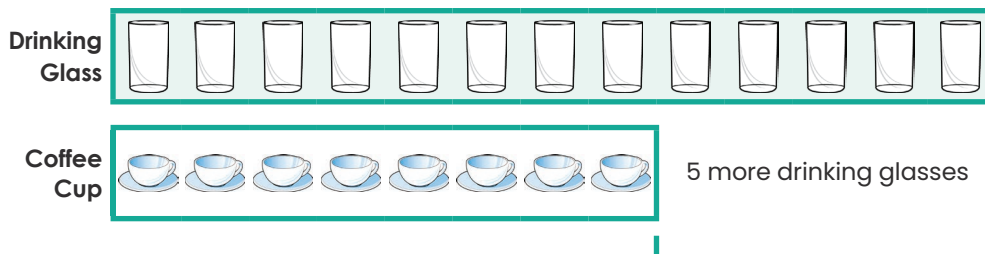
$$20 - 16 = 4$$

The farmer picked 4 apples.

## Question 6

## Comparison / Static

In the dishwasher there were some drinking glasses and 8 coffee cups. There were 5 more drinking glasses than coffee cups. How many drinking glasses were there?



Larger Quantity		13	
Smaller Quantity	Difference	8	5

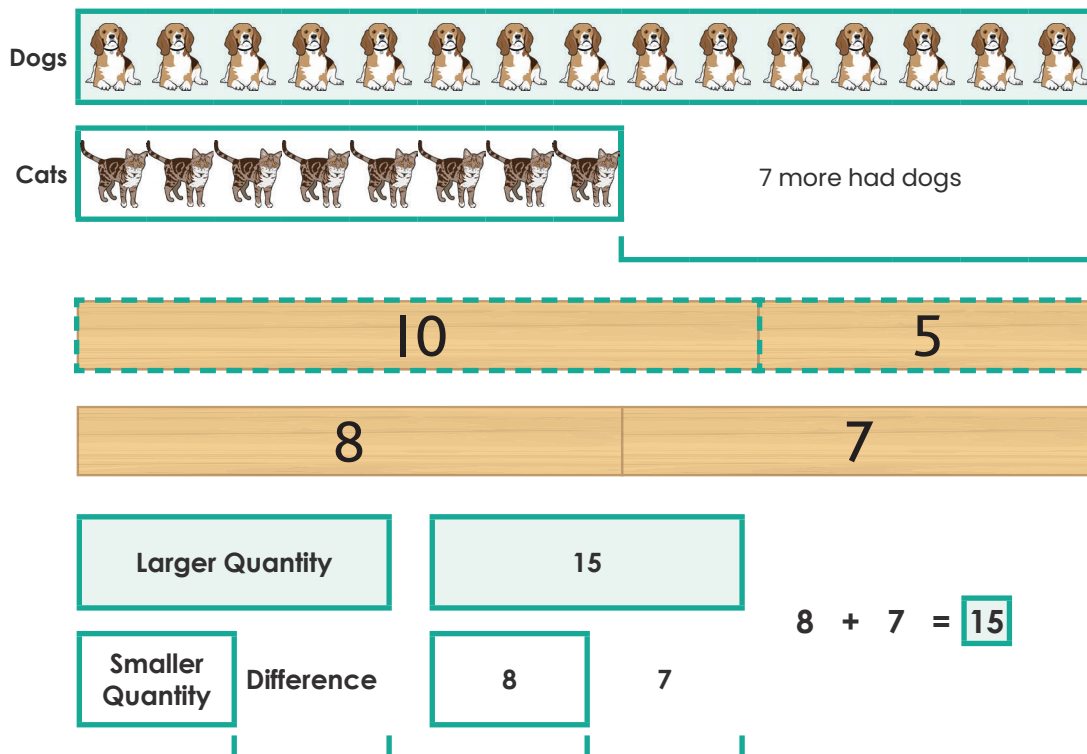
$$8 + 5 = 13$$

There were 13 drinking glasses.

## Question 7

Comparison / Static

In a class 8 students had pet cats. Seven more than this had dogs. *How many of them had pet dogs?*



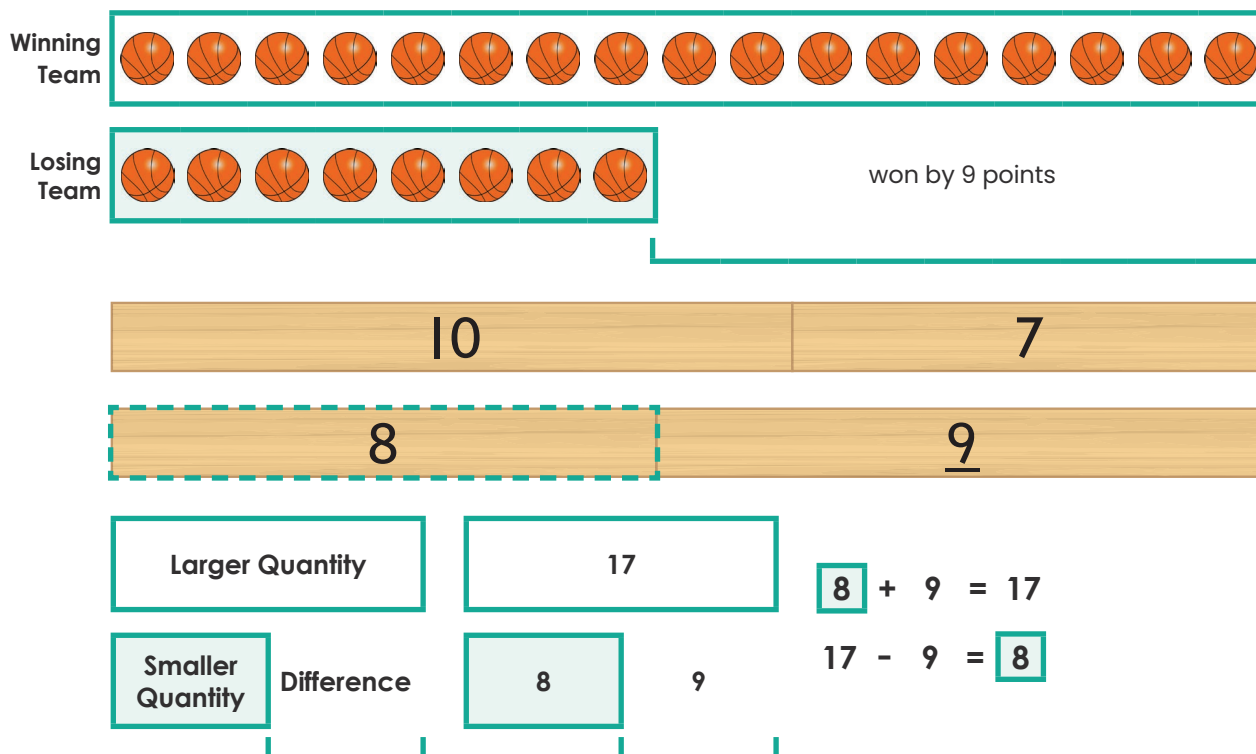
Fifteen children had pet dogs.

## Question 8

Comparison / Active

In a basketball game the winning team scored 17 points. They won by 9 points.

*How many points did the losing team score?*



The losing team scored 8 points.

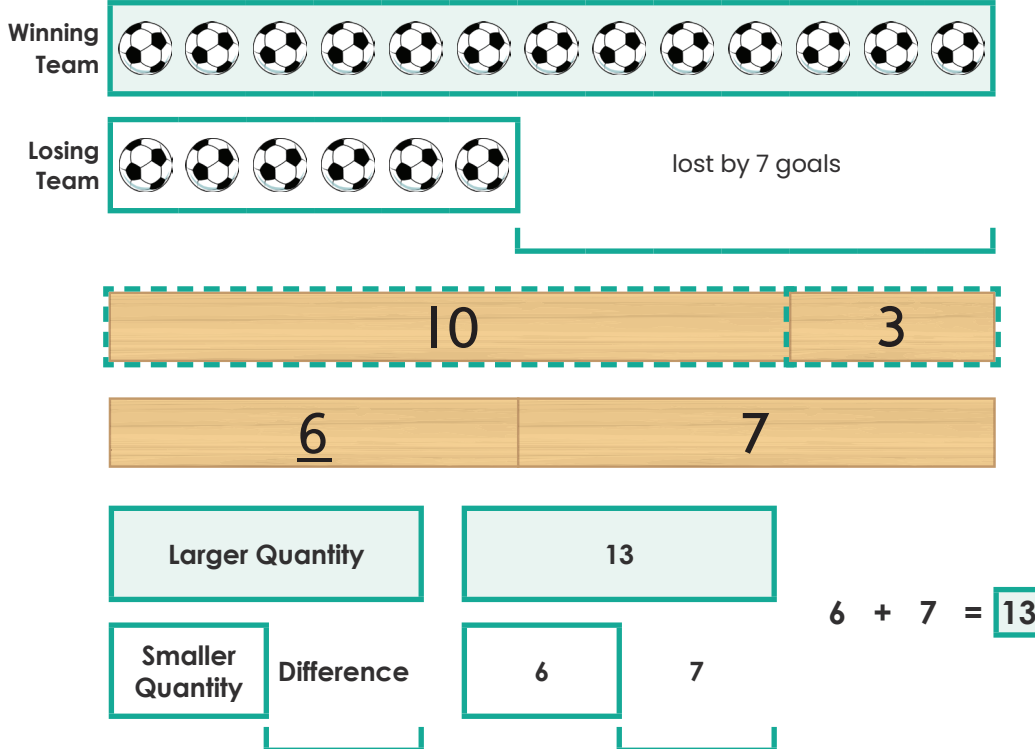
## Question 9

## Comparison / Active and Part-Part-Whole / Active

In a soccer game the losing team scored 6 goals. They lost by 7 goals. *How many goals were kicked in the game?*

**Step 1: Calculate the number of goals scored by the winning team.**

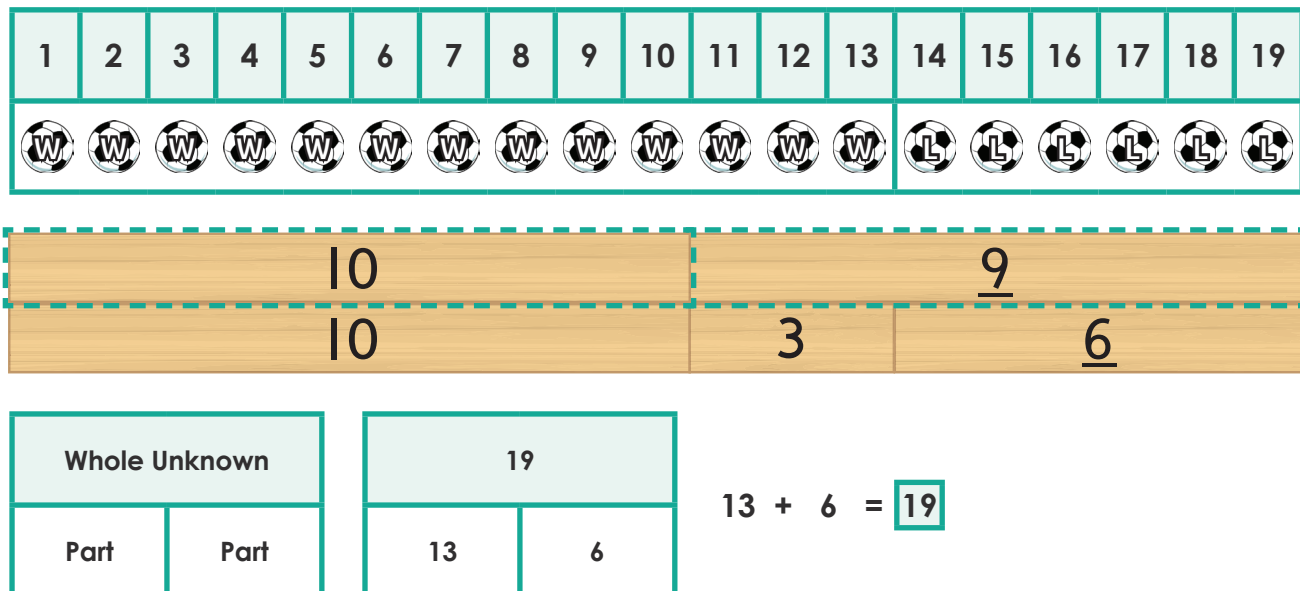
Comparison / Active



The winning team scored 13 goals.

**Step 2: Calculate the total number of goals kicked in the game.**

Part-Part-Whole / Active

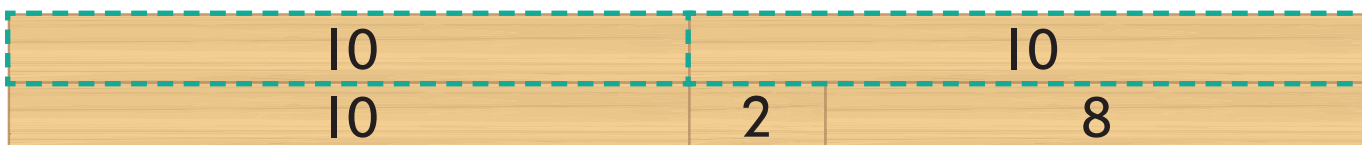
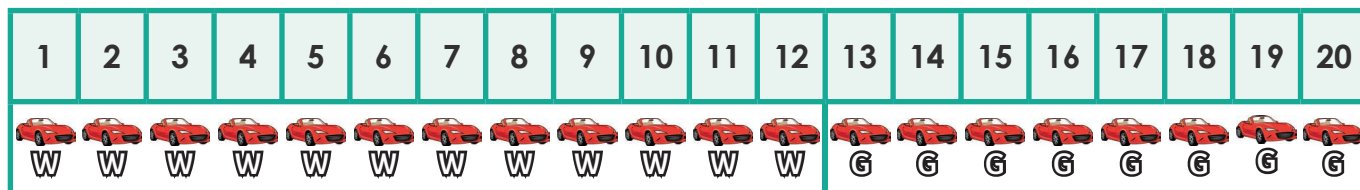


There was a total of 19 goals kicked during the game.

## Question 10

## Part-Part-Whole / Active

In the car park there was a long queue of cars waiting for a green traffic light. Eight cars got through the green light before it changed. This left 12 cars waiting. *How many cars were in the queue of cars before the green light?*



Whole Unknown	
Part	Part

20	
12	8

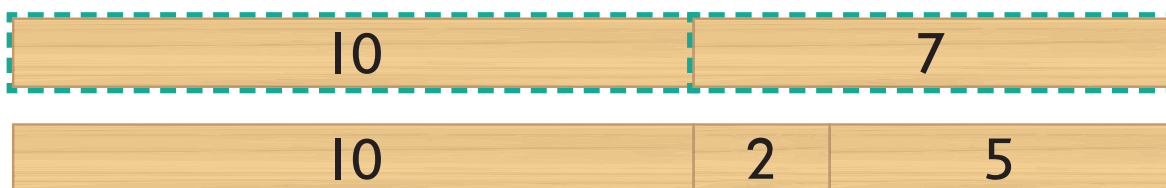
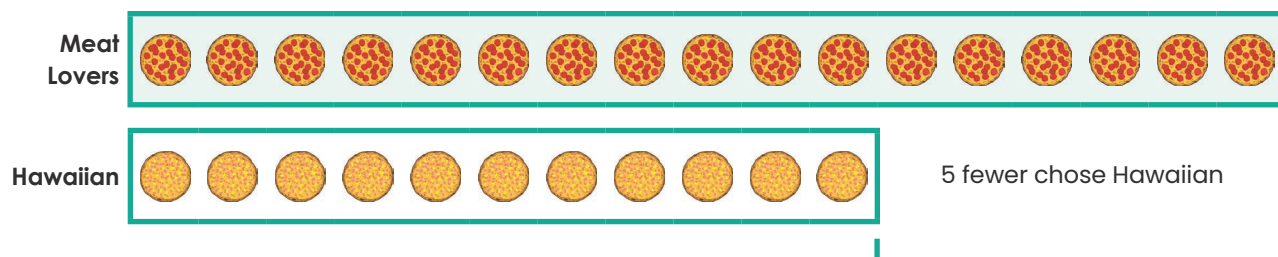
$$12 + 8 = 20$$

Twenty cars were in the car park before the green light.

## Question 11

## Comparison / Static

When ordering pizza, 12 people chose Hawaiian. This was 5 fewer than the number of people who chose Meat Lovers. *How many chose Meat Lovers?*



Larger Quantity	
Smaller Quantity	Difference

17	
12	5

$$12 + 5 = 17$$

17 people chose Meat Lovers.

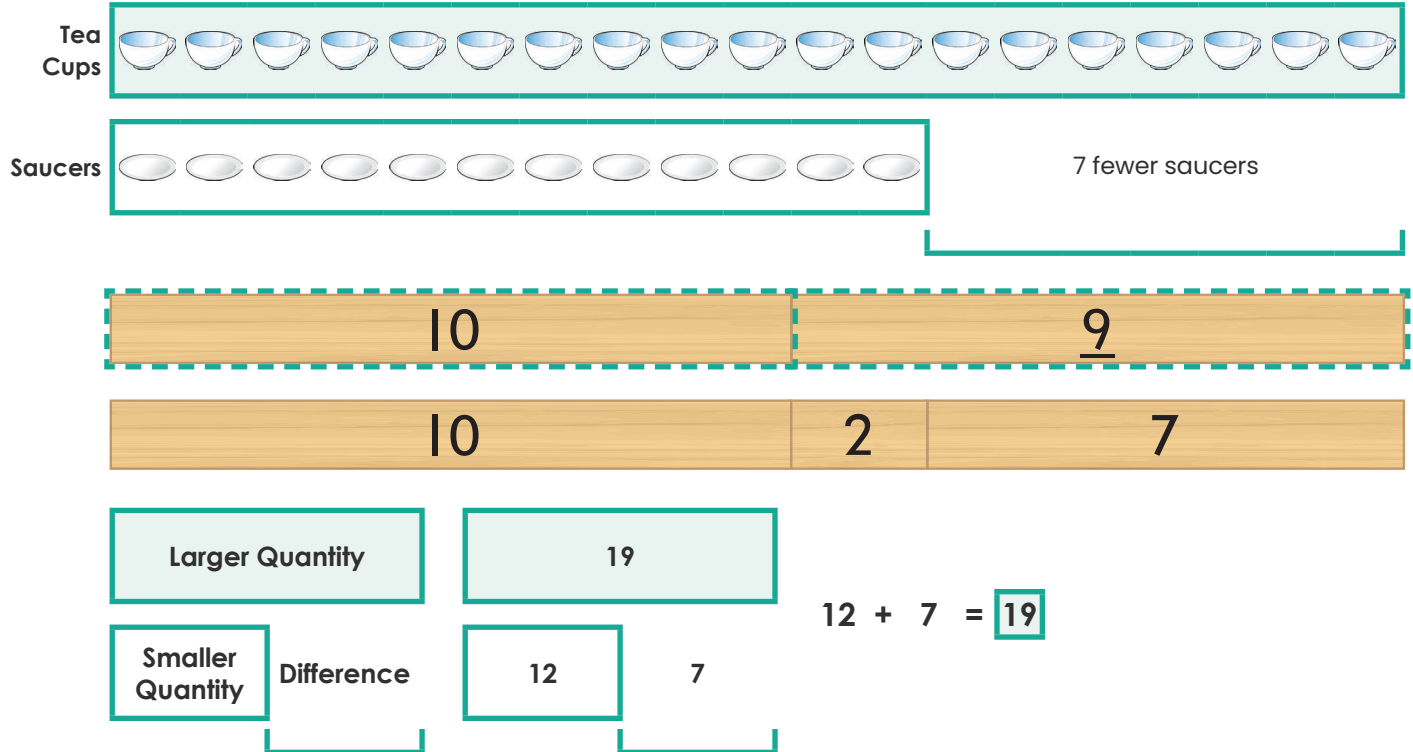
## Question 12

## Comparison / Active and Part-Part-Whole / Active

Melissa collected tea cups and saucers. When she matched the cups and saucers she found she had 7 fewer saucers. There were 12 saucers. Unfortunately whilst she was matching them she broke 3 tea cups. How many tea cups did she end up with?

## Step 1: Calculate the number of tea cups.

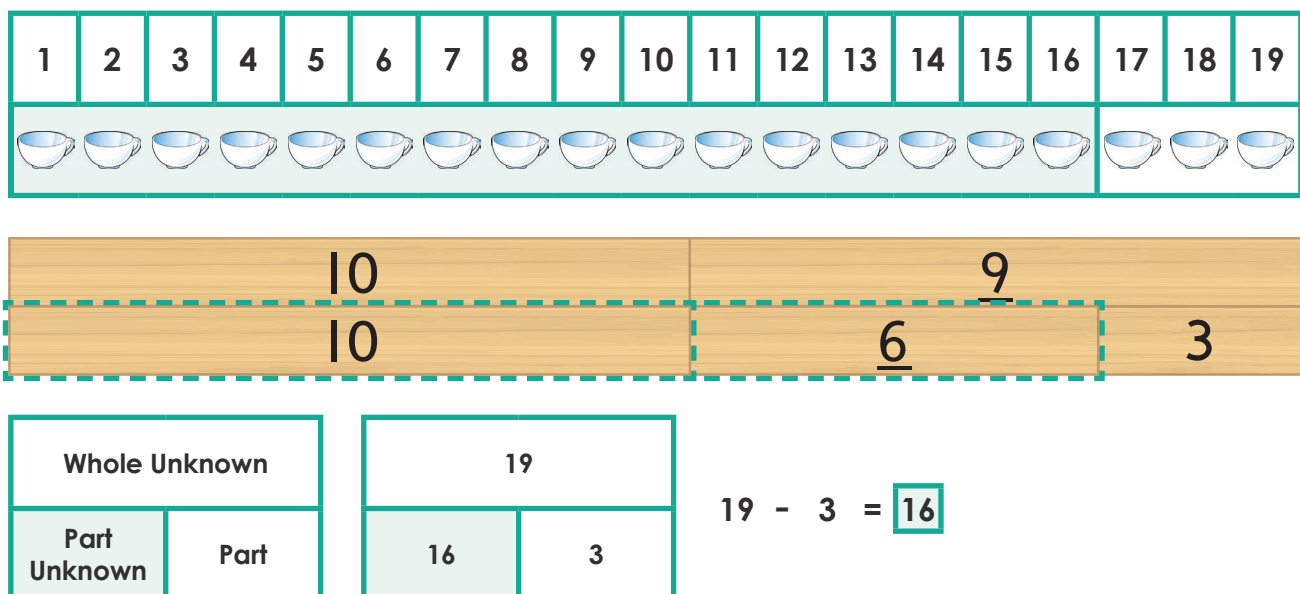
## Comparison / Active



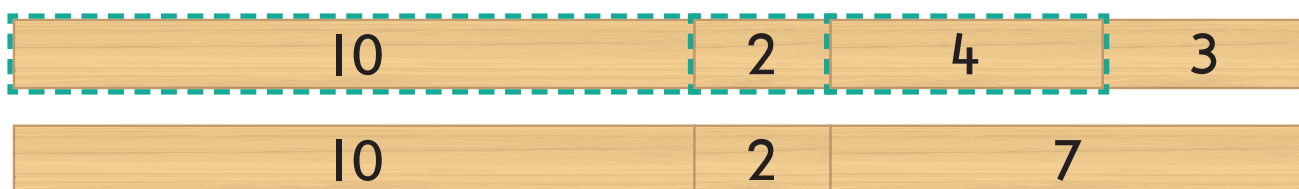
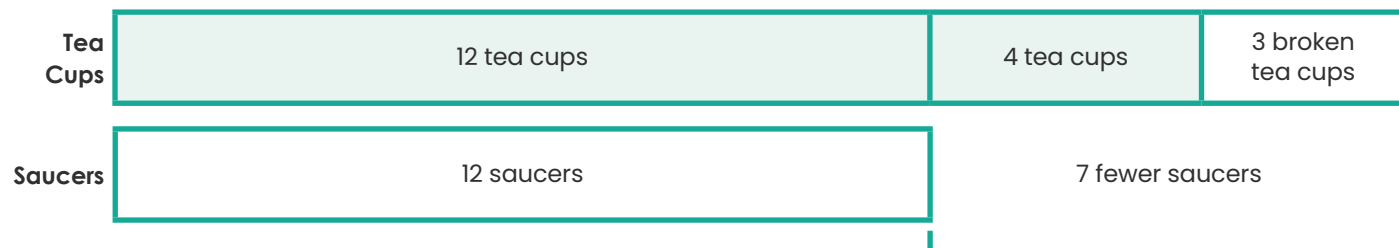
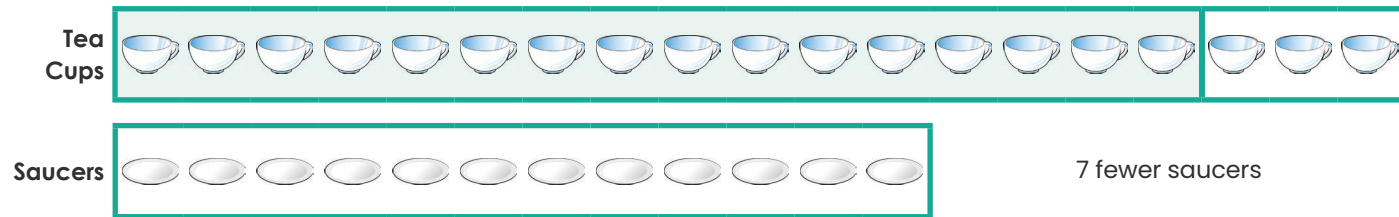
Melissa had 19 tea cups.

## Step 2: Calculate the number of remaining tea cups after 3 were broken.

## Part-Part-Whole / Active



Melissa had 16 tea cups remaining after 3 had been broken.

**Alternate Solution**

$$7 - 3 = 4$$

$$12 + 4 = 16$$

There were 16 tea cups remaining after 3 had been broken.