

# Lesson 1

## Strategies for Addition

1

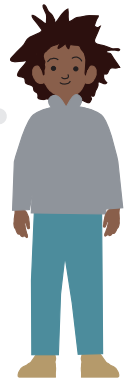
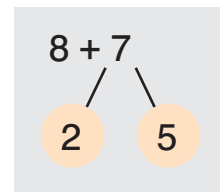
### Think



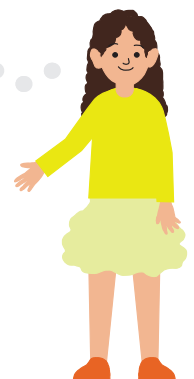
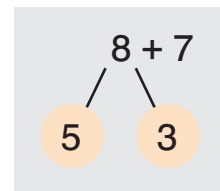
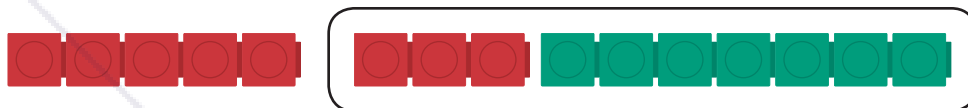
Mei has 8 guitar picks.  
She buys 7 more guitar picks.  
How many guitar picks does she have now?

### Learn

#### Method 1



#### Method 2



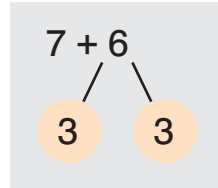
$8 + 7 = \square$

She has  $\square$  guitar picks now.

## Do

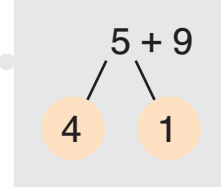
- 1 (a) Add 7 and 6.

$7 + 6 = \square$



- (b) Add 5 and 9.

$5 + 9 = \square$



2 (a)  $9 + 3 = \square$

(b)  $7 + 5 = \square$

(c)  $5 + 8 = \square$

(d)  $7 + 7 = \square$

(e)  $6 + 5 = \square$

(f)  $\square = 8 + 8$

- 3 Look for patterns.

Make flash cards for the facts you need to practice.



front

back

$9 + 2$

$8 + 3$

$9 + 3$

$7 + 4$

$8 + 4$

$9 + 4$

$6 + 5$

$7 + 5$

$8 + 5$

$9 + 5$

$5 + 6$

$6 + 6$

$7 + 6$

$8 + 6$

$9 + 6$

$4 + 7$

$5 + 7$

$6 + 7$

$7 + 7$

$8 + 7$

$9 + 7$

$3 + 8$

$4 + 8$

$5 + 8$

$6 + 8$

$7 + 8$

$8 + 8$

$9 + 8$

$2 + 9$

$3 + 9$

$4 + 9$

$5 + 9$

$6 + 9$

$7 + 9$

$8 + 9$

$9 + 9$

# Lesson 2

## Strategies for Subtraction

2

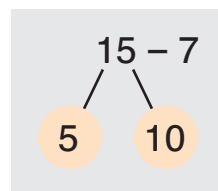
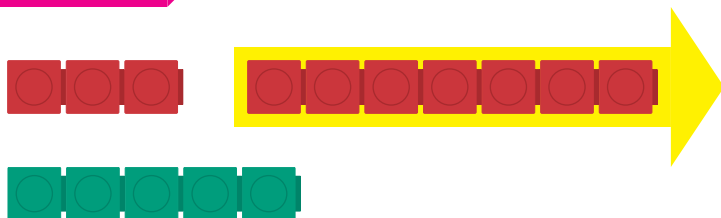
### Think

Alex has 15 cards.  
He gives away 7 of them.  
How many cards does he have left?

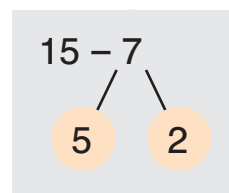
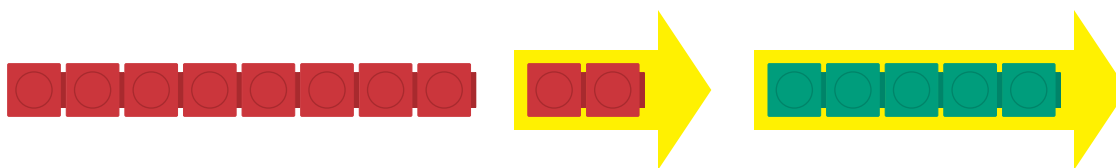


### Learn

#### Method 1



#### Method 2



$$15 - 7 = \square$$

He has  $\square$  cards left.

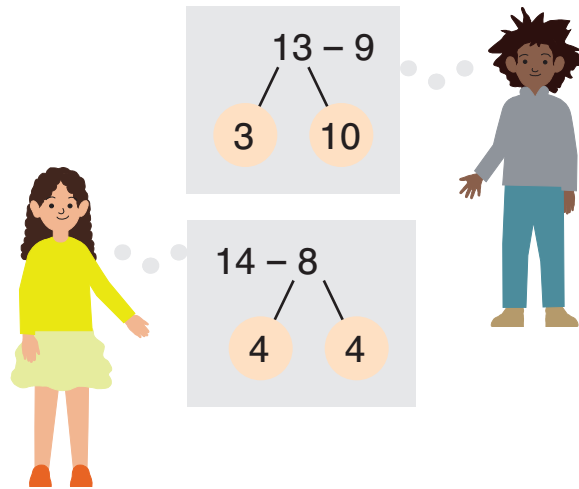
## Do

- 1 (a) Subtract 9 from 13.

$$13 - 9 = \square$$

- (b) Subtract 8 from 14.

$$14 - 8 = \square$$



- 2 (a)  $16 - 9 = \square$       (b)  $15 - 9 = \square$       (c)  $14 - 5 = \square$   
(d)  $11 - 7 = \square$       (e)  $13 - 8 = \square$       (f)  $\square = 12 - 9$

- 3 Look for patterns.

Make flash cards for the facts you need to practice.

$11 - 2$									
$11 - 3$	$12 - 3$								
$11 - 4$	$12 - 4$	$13 - 4$							
$11 - 5$	$12 - 5$	$13 - 5$	$14 - 5$						
$11 - 6$	$12 - 6$	$13 - 6$	$14 - 6$	$15 - 6$					
$11 - 7$	$12 - 7$	$13 - 7$	$14 - 7$	$15 - 7$	$16 - 7$				
$11 - 8$	$12 - 8$	$13 - 8$	$14 - 8$	$15 - 8$	$16 - 8$	$17 - 8$			
$11 - 9$	$12 - 9$	$13 - 9$	$14 - 9$	$15 - 9$	$16 - 9$	$17 - 9$	$18 - 9$		

front      back

### Think

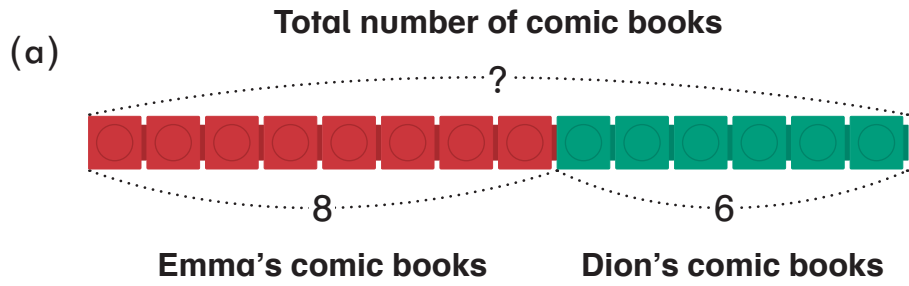


Do we add or subtract?

Explain why.

- (a) Emma has 8 comic books.  
Dion has 6 comic books.  
How many comic books do they have altogether?
  
- (b) Emma and Dion have 14 comic books altogether.  
Emma has 8 comic books.  
How many comic books does Dion have?

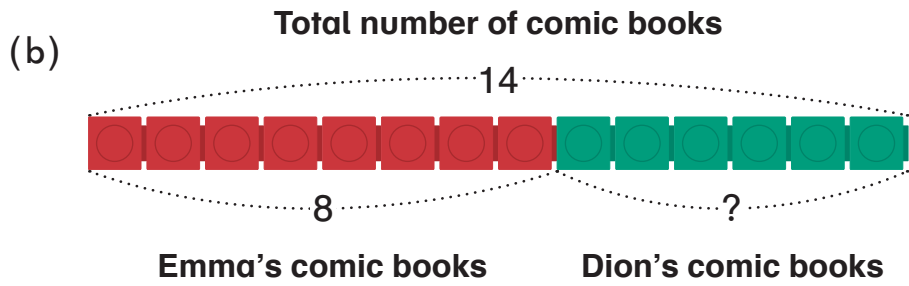
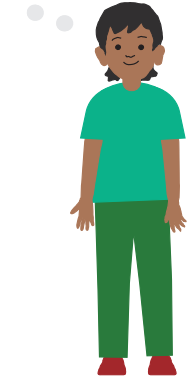
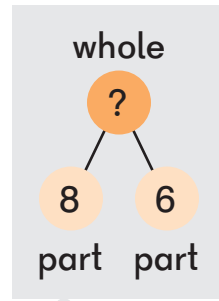
# Learn



$$8 + 6 = \square$$

↑    ↑    ↑  
part part whole

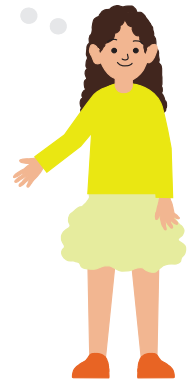
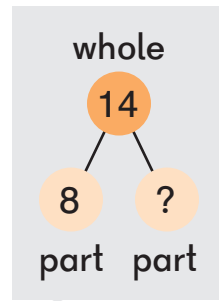
They have   comic books altogether.



$$14 - 8 = \square$$

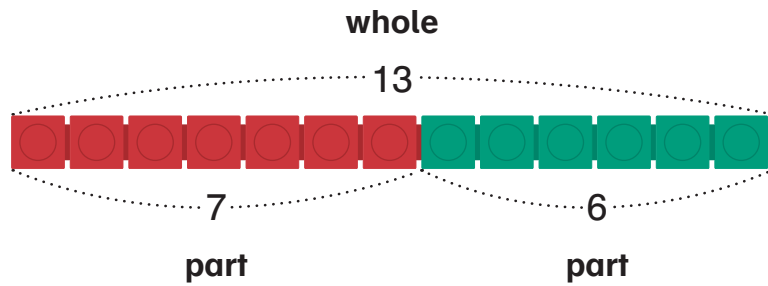
↑    ↑    ↑  
whole part part

Dion has   comic books.



**Do**

**1** (a)

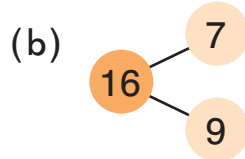


$7 + 6 = \square$

$6 + 7 = \square$

$13 - 7 = \square$

$13 - 6 = \square$

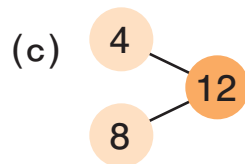


$9 + 7 = \square$

$7 + 9 = \square$

$16 - 9 = \square$

$16 - 7 = \square$



$8 + \square = 12$

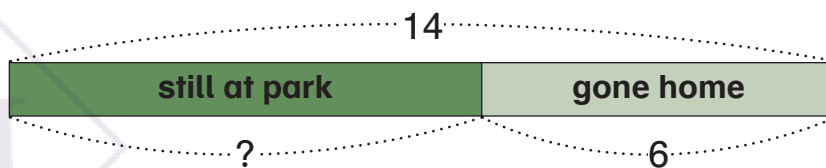
$\square + 8 = 12$

$12 - \square = 8$

$12 - 8 = \square$

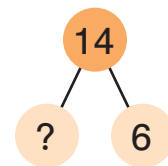
**2** There are 14 children at the park.  
6 children go home.  
How many children are still at the park?

We know the whole and one part, so we subtract.



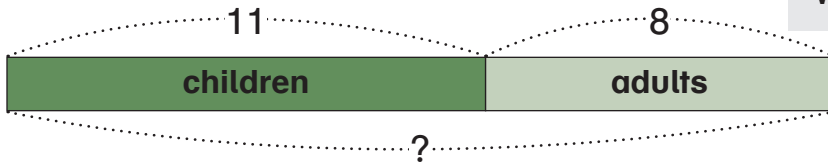
$\square \bigcirc \square = \square$

There are  $\square$  children still at the park.



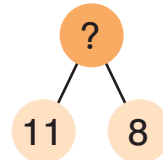
- 3 There are 11 children and 8 adults at the park.  
How many people are at the park?

We know two parts and have to find the whole, so we add.



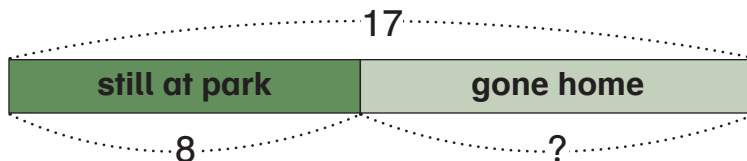
$$\square \bigcirc \square = \square$$

There are  $\square$  people at the park.

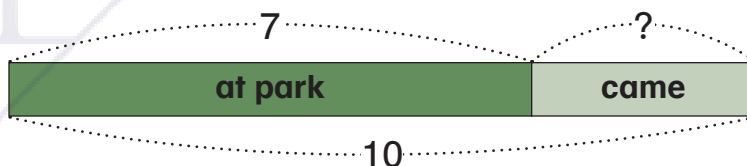


- 4 Write an equation and find the answer.

- (a) There are 17 children at the park.  
Some of the children go home.  
8 children are still playing at the park.  
How many went home?



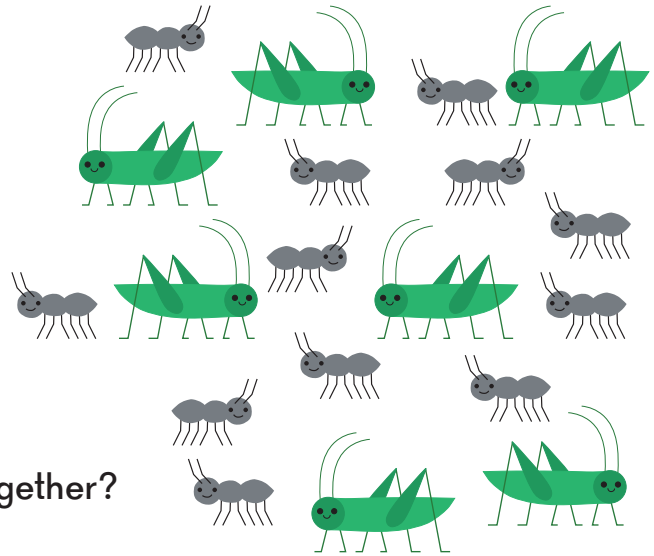
- (b) There were 7 children at the park.  
Some more children came.  
Now there are 10 children at the park altogether.  
How many more children came?





### Think

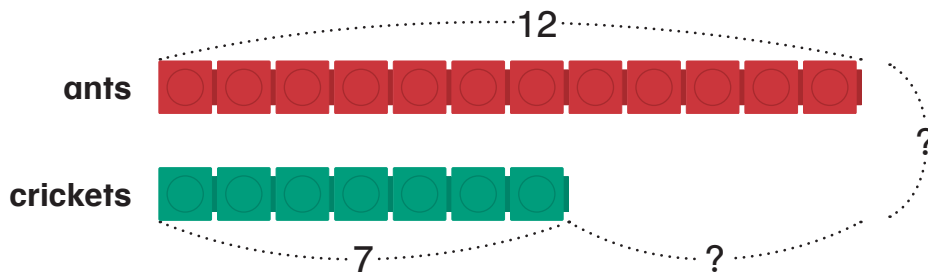
There are 12 ants and 7 crickets near a picnic table.



(a) How many more ants than crickets are there?  
Write an equation.

(b) How many insects are there altogether?  
Write an equation.

### Learn



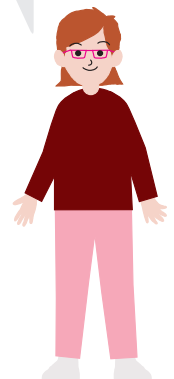
(a)  $12 - 7 =$

There are  more ants than crickets.

(b)  $12 + 7 =$

There are  insects altogether.

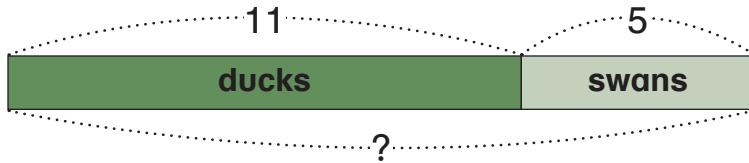
Subtract to find the difference.



## Do

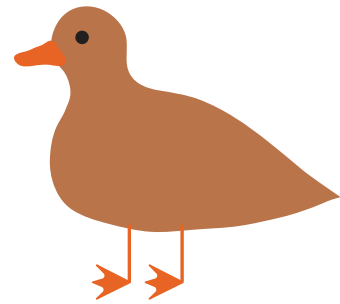
1 There are 11 ducks and 5 swans in a pond.

(a) How many ducks and swans are there altogether?

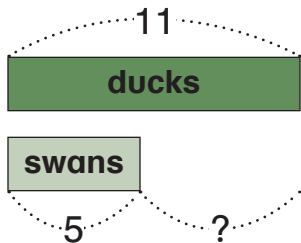


$$\square \bigcirc \square = \square$$

There are  $\square$  ducks and swans altogether.



(b) How many fewer swans than ducks are there?

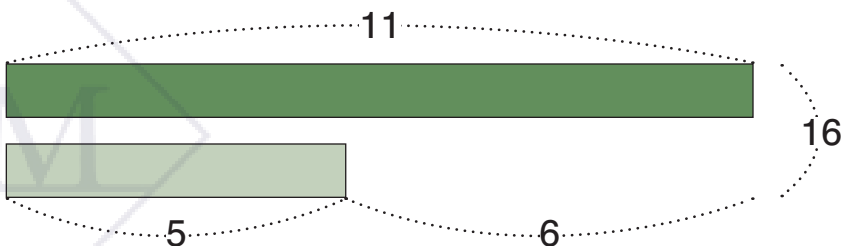


$$\square \bigcirc \square = \square$$

There are  $\square$  fewer swans than ducks.



2



$$5 + 6 = \square$$

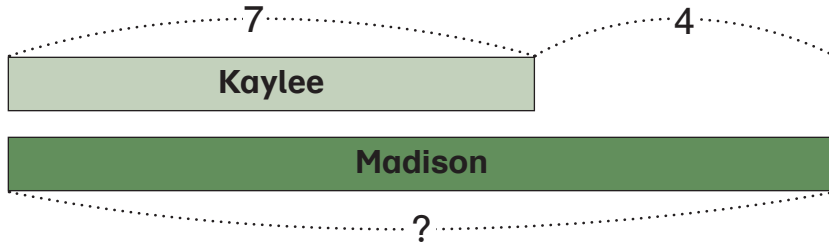
$$11 - 5 = \square$$

$$11 - 6 = \square$$

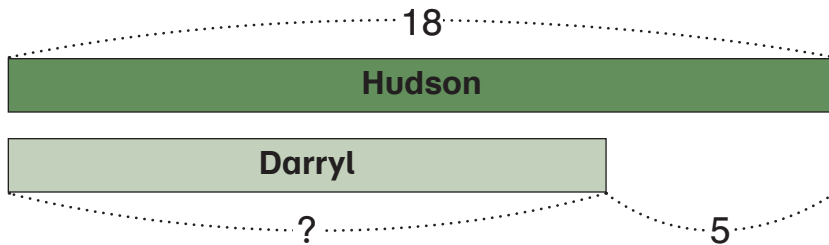
$$11 + 5 = \square$$

Write an equation and find the answer.

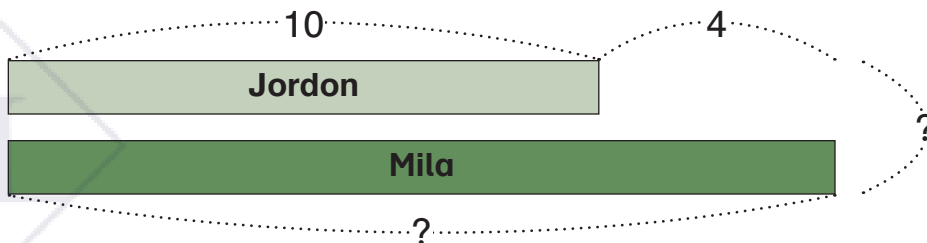
- 3** Kaylee is 7 years old.  
Her sister Madison is 4 years older than Kaylee.  
How old is Madison?



- 4** Hudson has 18 stickers.  
He has 5 more stickers than Darryl.  
How many stickers does Darryl have?



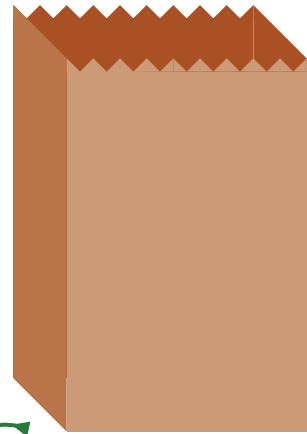
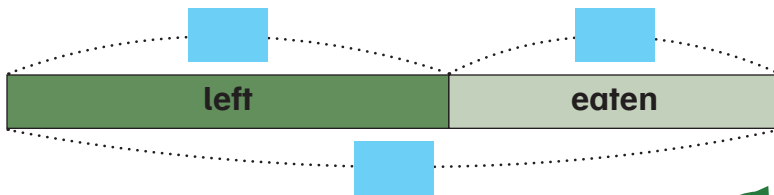
- 5** Jordan has 10 sports cards.  
He has 4 fewer sports cards than Mila.



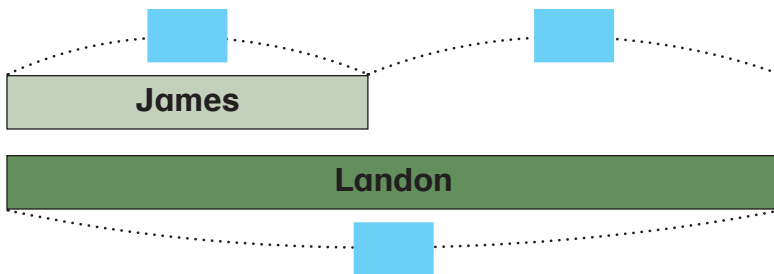
(a) How many cards does Mila have?

(b) How many cards do they have altogether?

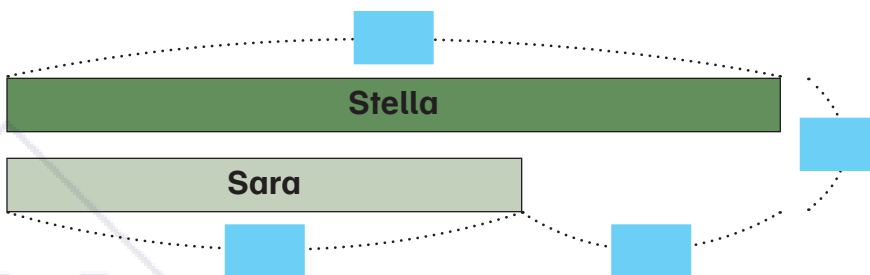
- 6 There were some cherries in a bag.  
Natasha ate 6 of them.  
Now there are 8 cherries left.  
How many cherries were there at first?



- 7 James has 7 stickers.  
He has 8 fewer stickers than Landon.  
How many stickers does Landon have?



- 8 Stella earned 9 badges.  
She earned 3 more badges than Sara.



- (a) How many badges did Sara earn?
- (b) How many badges did Stella and Sara earn altogether?