

True or false?

a This shows 12. \_\_\_\_\_

b This shows 13. \_\_\_\_\_

Draw counters on the ten frames to represent the numbers shown.

a 11

b 14

Complete the table.

Number	Representation
15	
11	

Draw counters on the ten frames to show a number.

a **More than 13, but less than 18.**

b **Less than 16, but more than 12.**

c **More than 11, but less than 15.**



There is a mistake in one of the pictures below.

one less

one more

← 14 →

What is the mistake? How can it be corrected?

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One **more** than the picture shown is 16.

Is Kat correct? How do you know?

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Spot and explain the mistakes.

a This shows 12.

\_\_\_\_\_

\_\_\_\_\_

b This shows 17.

\_\_\_\_\_

\_\_\_\_\_

Draw counters on the ten frames to represent the numbers shown.

a One **less** than 20

b One **more** than 13

Complete the table.

Number	Word	Representation
	sixteen	
15	fifteen	
12		
11	eleven	
	seventeen	

Draw counters on the ten frames to show a number.

a That has two digits between 11 and 20.

b **More** than 16, but **less** than 19.

c Equal to  $11 + 7$ .



My friend is the same age as me. We are one year older than my brother who is 15.

How old is Jack and his friend?  
Explain how you know.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Kat is thinking of a number.  
One **less** than her number is 16.



What is Kat number?  
Explain how you know.

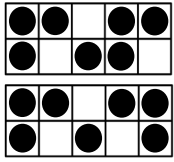
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Spot and explain the mistakes.

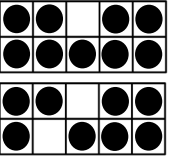
a



This shows 15.

\_\_\_\_\_

b

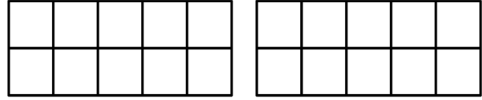


This shows 16.

\_\_\_\_\_

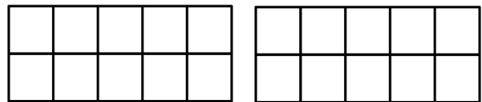
Draw counters on the ten frames to represent the numbers shown.

a



One **less**  
than 17

b



One **more**  
than 19

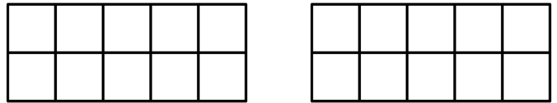
Complete the table.

Number	Word	Representation
	fifteen	
11		

Draw counters on the ten frames to show a number.

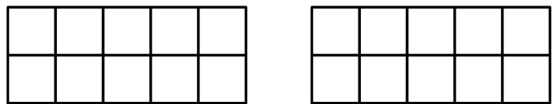
a

**More** than 13, but **less** than 18.



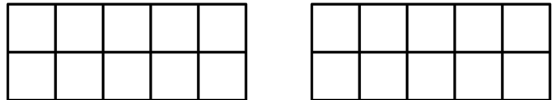
b

**Less** than 16, but **more** than 12.



c

Equal to  $9 + 7$ .



My brother and I have a sister who is one year older than us. We are one year older than 10.

How old are Jack and his brother?  
How old is their sister?  
Explain how you know.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



The number represented in the part-whole model is 41.

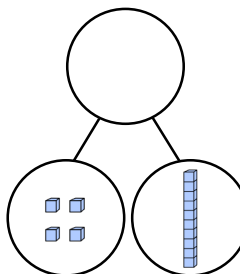
Explain her mistake.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What is her number? \_\_\_\_\_



True or false?

a This shows 12. True

b This shows 13. False

Draw counters on the ten frames to represent the numbers shown. **Correctly drawn counters.**

a 11

b 14

Complete the table.

Number	Representation
13	
15	Any drawn picture representation of 15.
12	
11	Any drawn picture representation of 11.
14	

Draw counters on the ten frames to show a number.

a **More** than 13, but **less** than 18.  
 Drawn counters to represent any number more than 13, but less than 18.

b **Less** than 16, but **more** than 12.  
 Drawn counters to represent any number less than 16, but more than 12.

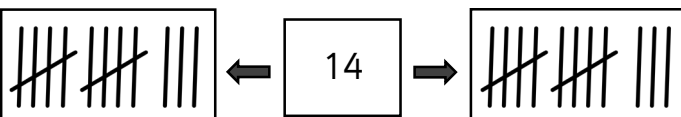
c **More** than 11, but **less** than 15.  
 Drawn counters to represent any number more than 11, but less than 15.



There is a mistake in one of the pictures below.

one less

one more



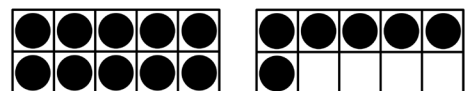
What is the mistake? How can it be corrected?

The pictures are the same.

The one more picture should be the number 15, not 13.



One **more** than the picture shown is 16.



Is Kat correct? How do you know?

Kat is not correct as the picture shows the number 16. One more than 16 is 17.

Spot and explain the mistakes.

a This shows 12.  
It shows 13 not 12.

b This shows 17.  
It shows 16 not 17.

Draw counters on the ten frames to represent the numbers shown. **Correctly drawn counters.**

a One **less** than 20

b One **more** than 13

Complete the table.

Number	Word	Representation
16	sixteen	
15	fifteen	Any drawn picture representation of 15.
12	twelve	
11	eleven	Any drawn picture representation of 11.
17	seventeen	

Draw counters on the ten frames to show a number.

a That has two digits between 11 and 20.  
Drawn counters to represent any number between 11 and 20.

b **More** than 16, but **less** than 19.  
Drawn counters to represent any number more than 16, but less than 19.

c Equal to  $11 + 7$ .  
Drawn counters to represent the number 18.



My friend is the same age as me. We are one year older than my brother who is 15.

How old is Jack and his friend?  
Explain how you know.

Jack and his friend are one year older than Jack's brother who is 15.

This makes Jack and his friend 16.

Kat is thinking of a number.  
One **less** than her number is 16.



What is Kat number?  
Explain how you know.

Kat's number is 17 as one more than 16 is 17.

Spot and explain the mistakes.

a This shows 15.  
It shows 14 not 15.  
\_\_\_\_\_

b This shows 16.  
It shows 17 not 16.  
\_\_\_\_\_

Draw counters on the ten frames to represent the numbers shown. **Correctly drawn counters.**

a One less than 17

b One more than 19

Complete the table.

Number	Word	Representation
19	nineteen	
15	fifteen	Any drawn picture representation of 15.
13	thirteen	
11	eleven	Any drawn picture representation of 11.
20	twenty	

Draw counters on the ten frames to show a number.

a More than 13, but less than 18.  
Drawn counters to represent any number more than 13, but less than 18.

b Less than 16, but more than 12.  
Drawn counters to represent any number less than 16, but more than 12.

c Equal to 9 + 7.  
Drawn counters to represent the number 16.



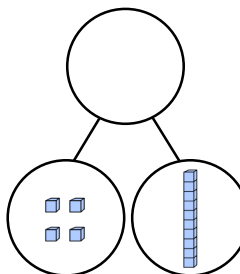
My brother and I have a sister who is one year older than us. We are one year older than 10.

How old are Jack and his brother?  
How old is their sister?  
Explain how you know.

Jack and his brother are 11 as they are both one year older than 10. Jack's sister is one year older, which makes her 12.



The number represented in the part-whole model is 41.



Explain her mistake.

Kat has mistaken her tens and ones. She should say there is 1 ten and 4 ones.

What is her number? 14