

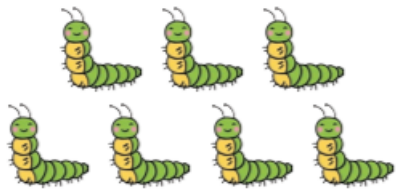
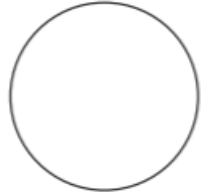
Complete work in the exercise books provided

Challenge 1: Subtraction using pictures

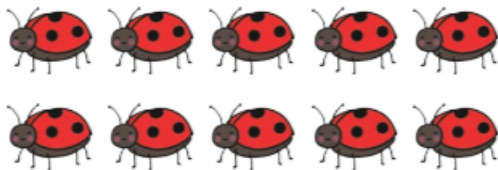
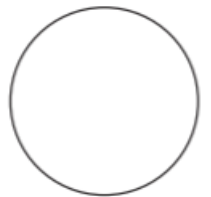
Write the answers in the circles. Then write the number sentence on the line below.



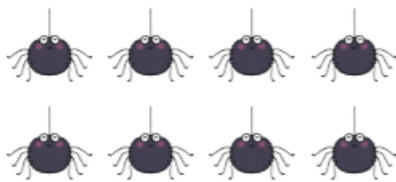
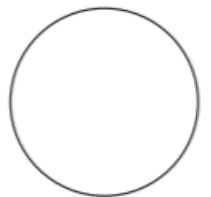
$$- \quad 6 \quad =$$



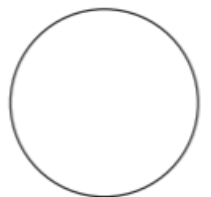
$$- \quad 4 \quad =$$



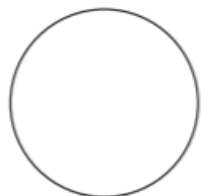
$$- \quad 8 \quad =$$



$$- \quad 5 \quad =$$



$$- \quad 2 \quad =$$



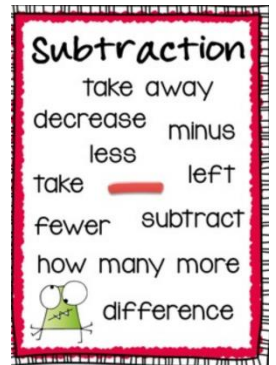
Challenge 2: Subtraction not crossing 10

Questions for discussions

How many objects were there at first? Then what happened to the objects? How many objects are there now?

If Mo ate nothing, what number would we use to represent this? How do we write this as a calculation? What does the zero represent in this calculation?

If Mo ate all of the biscuits, what number would we be left with? How do we write this as a calculation? What does the zero represent in this calculation?



- There are 16 biscuits on a plate. Mo eats 5 of them.

Complete the sentences.

First there were ___ biscuits.

Then ___ were eaten.

Now there are ___ biscuits.

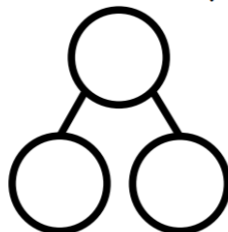
$$16 - 5 = \underline{\quad}$$

First	Then	Now

- First there were 9 sheep. Then they all ran away.

How many sheep are left?

Use ten frames and counters to represent the sheep.

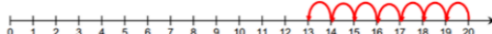


$$\square - \square = \square$$

- Use the number pieces and the number line to complete the number sentences.



$$20 - 7 = \underline{\quad}$$



Use this method to calculate:


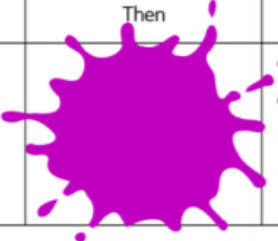

$$20 - 8$$

$$18 - 6$$

$$19 - 4$$

Challenge 3: Subtraction not crossing 10: Reasoning and problem solving

Annie, Tommy and Alex are working out which calculation is represented below.

First	Then	Now
		

$$17 - 17 = 0$$



Annie

$$17 - 0 = 17$$



Tommy

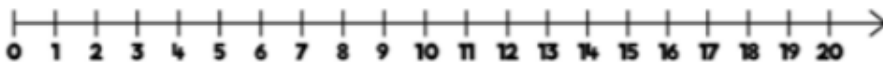
$$0 - 17 = 17$$



Alex

Can you work out who is correct?
Explain why.

How many ways can you complete this
number sentence?
Use the number line to help you.



$$\square - \square = 11$$

Answers:


Challenge 1:

Write the answers in the circles. Then write the number sentence on the line below.

 - 6 =

 - 4 =

 - 8 =

 - 5 =

 - 2 =

1. $12 - 6 = 6$

2. $7 - 4 = 3$

3. $10 - 8 = 2$

4. $8 - 5 = 3$

5. $9 - 2 = 7$

Answers

Challenge 2

There are 16 biscuits on a plate. Mo eats 5 of them.

Complete the sentences.

First there were ___ biscuits.

Then ___ were eaten.

Now there are ___ biscuits.

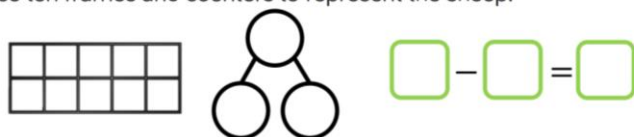
$$16 - 5 = \underline{\quad}$$

First	Then	Now
		

First there were 9 sheep. Then they all ran away.

How many sheep are left?

Use ten frames and counters to represent the sheep.



Use the number pieces and the number line to complete the number sentences.



$$20 - 7 = \underline{\quad}$$



Use this method to calculate:

$$20 - 8$$

$$18 - 6$$

$$19 - 4$$

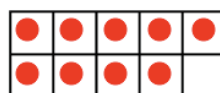
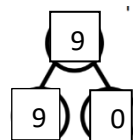
1. First there were 16 biscuits.

Then 5 were eaten.

Now there are 11 biscuits.

$$16 - 5 = 11$$

2.



Take away 9 counters.



$$9 - 9 = 0$$

3.

$$20 - 9 = 11$$

$$20 - 8 = 12$$

$$18 - 6 = 12$$

$$19 - 4 = 15$$

Answers

Challenge 3:

Annie, Tommy and Alex are working out which calculation is represented below.

First	Then	Now

$$17 - 17 = 0$$



Annie

$$17 - 0 = 17$$



Tommy

$$0 - 17 = 17$$



Alex

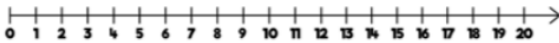
Can you work out who is correct?
Explain why.

Tommy is correct because
first there were 17 cakes.

Then zero was taken away.
Now there are still 17 cakes.

How many ways can you complete this
number sentence?

Use the number line to help you.



$$\square - \square = 11$$

$$20 - 9 = 11$$

$$19 - 8 = 11$$

$$18 - 7 = 11$$

$$17 - 6 = 11$$

$$16 - 5 = 11$$

$$15 - 4 = 11$$

$$14 - 3 = 11$$

$$13 - 2 = 11$$

$$12 - 1 = 11$$

$$11 - 0 = 11$$