

We are going to  
continue to revise  
subtraction.

Here are addition and subtraction bonds to 10

$$0 + 10 = 10$$

$$1 + 9 = 10$$

$$2 + 8 = 10$$

$$3 + 7 = 10$$

$$4 + 6 = 10$$

$$5 + 5 = 10$$

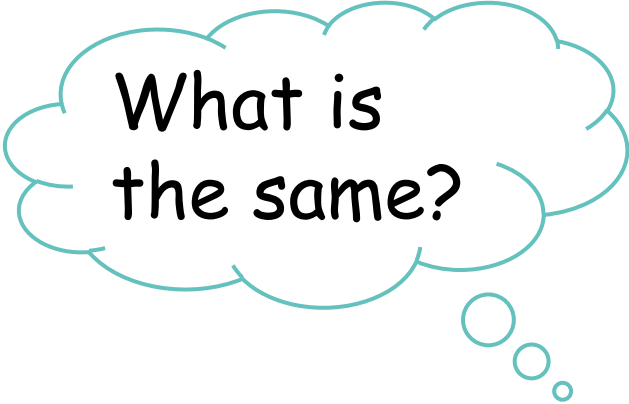
$$6 + 4 = 10$$

$$7 + 3 = 10$$

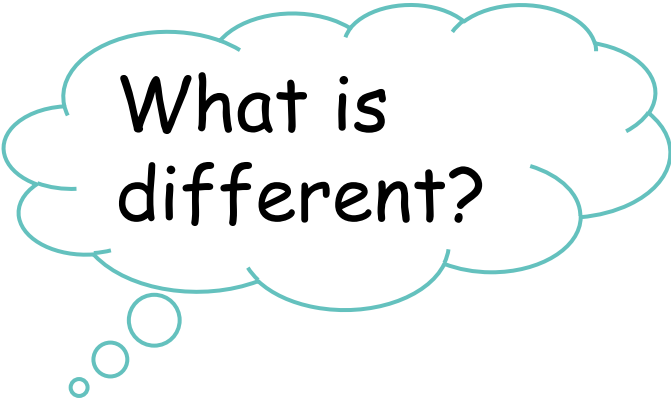
$$8 + 2 = 10$$

$$9 + 1 = 10$$

$$10 + 0 = 10$$



What is  
the same?



What is  
different?

$$10 - 0 = 10$$

$$10 - 1 = 9$$

$$10 - 2 = 8$$

$$10 - 3 = 7$$

$$10 - 4 = 6$$

$$10 - 5 = 5$$

$$10 - 6 = 4$$

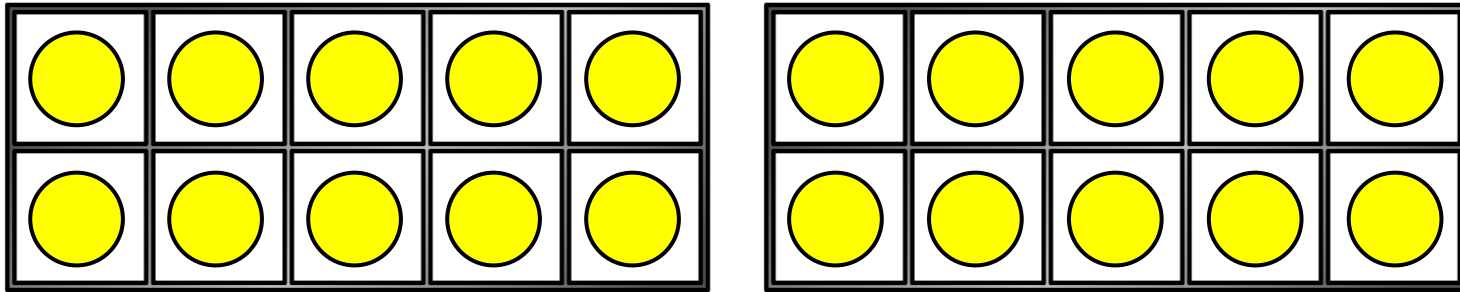
$$10 - 7 = 3$$

$$10 - 8 = 2$$

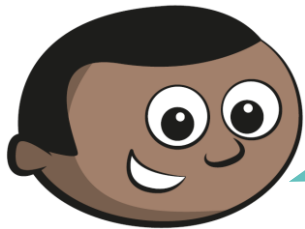
$$10 - 9 = 1$$

$$10 - 10 = 0$$

The ten frames shows 20



Mo uses the ten frames to calculate  $20 - 1$



Mo

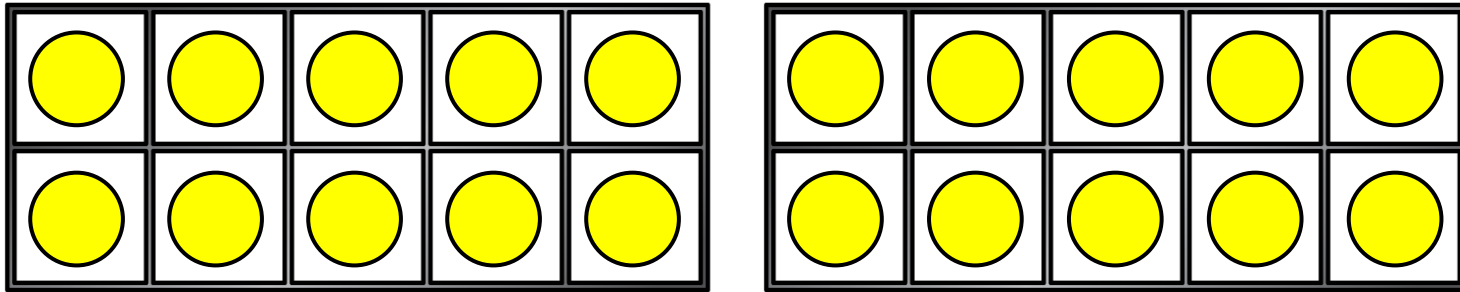
I could have used my bonds to  
10

$$20 - 1 = 19$$

How could Mo have used his bonds to 10?

If Mo knows  $10 - 1 = 9$ , then he could work out  $20 - 1$

Use the ten frames to calculate  $20 - 4$



$$20 - 4 = 16$$

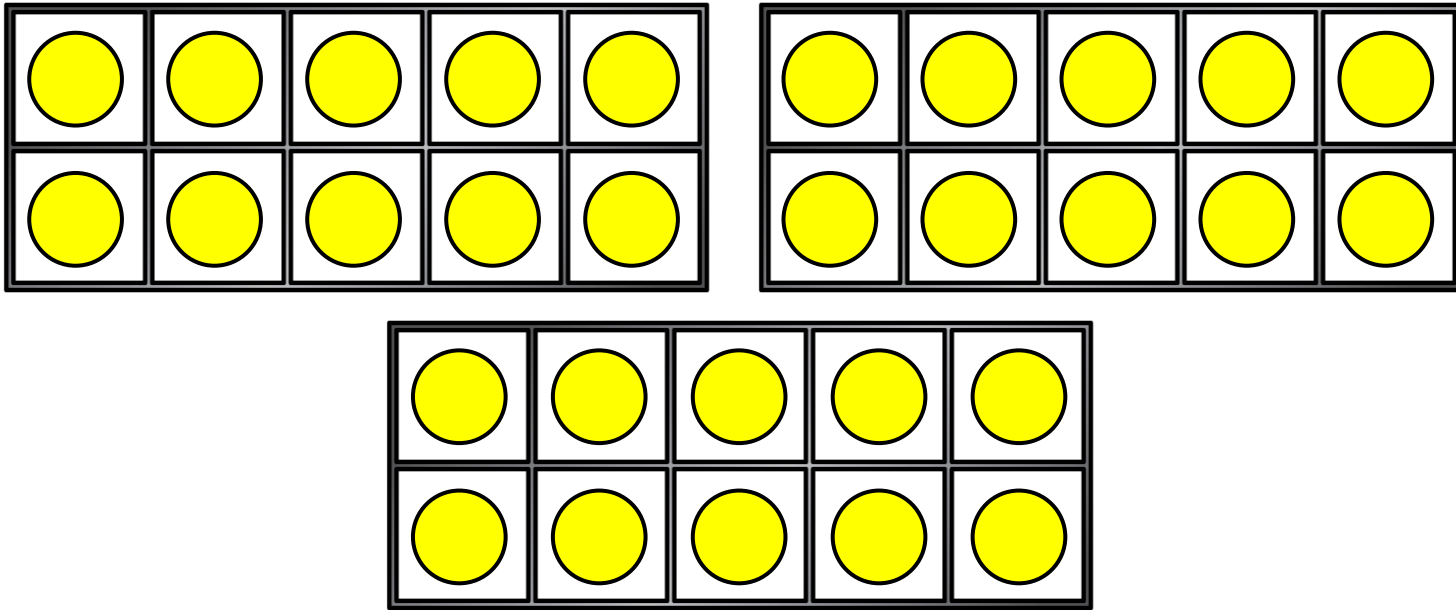
Complete the sentence.

If  $10 - \underline{4} = \underline{6}$ , then  $20 - \underline{4} = \underline{16}$

What do you think  
 $30 - 4$  would be?

Have a think





$$30 - 4 = 26$$

$$10 - 4 = 6$$

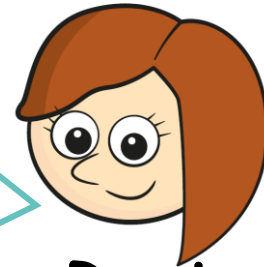
$$20 - 4 = 16$$

$$30 - 4 = 26$$

What pattern do  
you spot?

Rosie is calculating  $80 - 4$

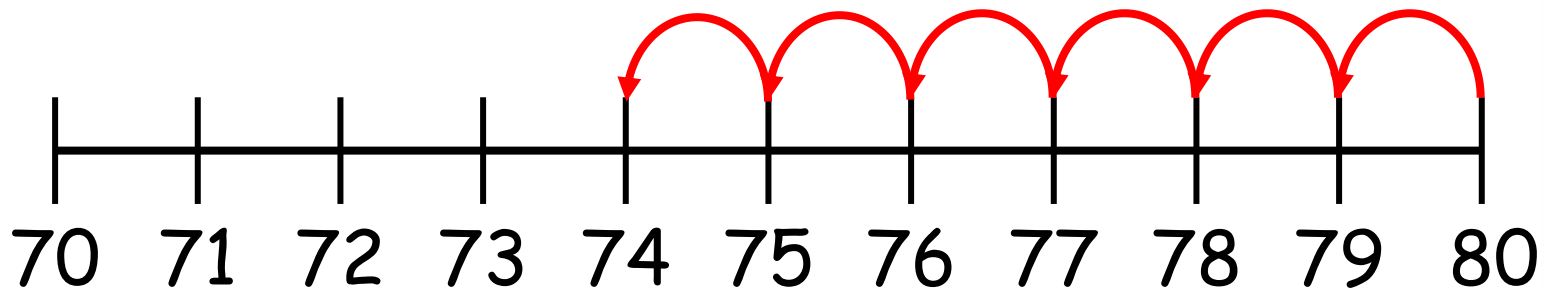
I could use ten frames to find the answer.



Rosie

Do you think this is a good idea? Why?

No - Rosie would need a lot of counters.



$80 - 4 = 76$  Have a think



Use the number line to calculate  $80 - 6 = 74$

Complete the calculations.

$$20 - 7 = 13$$

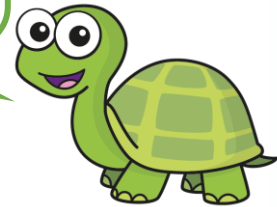
$$30 - 7 = 23$$

$$40 - 7 = 33$$

$$50 - 7 = 43$$

$$60 - 7 = 53$$

I know the answers!



What mistake has Tiny made?

Tiny has not thought about the 10s.

The numbers should get smaller.

Have a think



Complete the calculations.

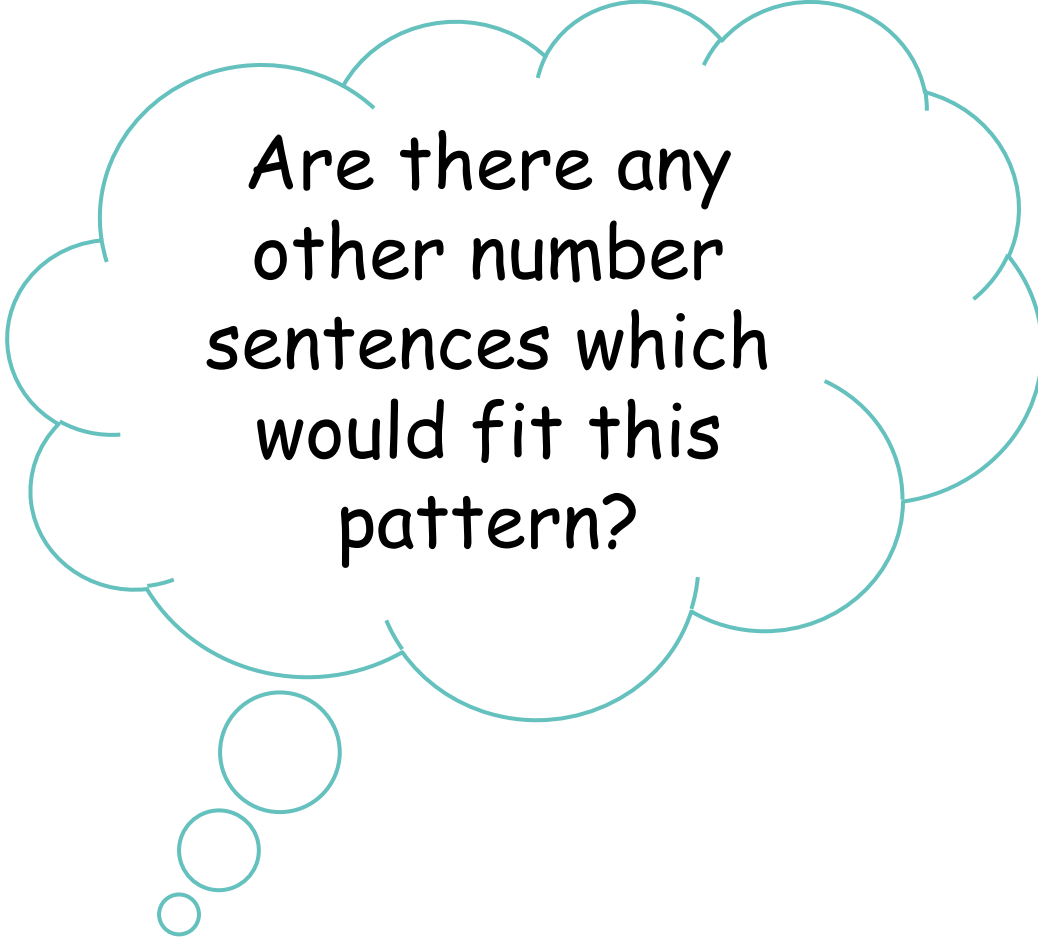
$$20 - 7 = 13$$

$$30 - 7 = 23$$

$$40 - 7 = 33$$

$$50 - 7 = 43$$

$$60 - 7 = 53$$



Are there any other number sentences which would fit this pattern?

Have a think



Dora has these sweets.



She gives 3 to Jack and 4 to Kim.

How many sweets does she have left?

I wonder if everyone  
has the same method?

Have a think

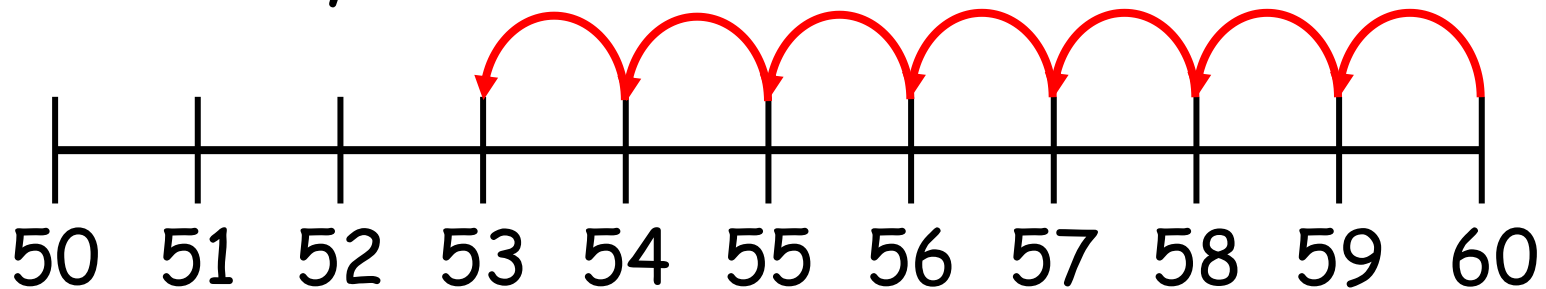


Dora has these sweets.



She gives 3 to Jack and 4 to Kim.

How many sweets does she have left?



If  $10 - 7 = 3$ , then  $60 - 7 = 53$

Have a go at these  
questions.....

1 Use the ten frame to complete the subtractions.



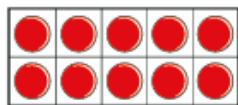
a)  $10 - 2 =$

c)  $10 - 8 =$

b)  $10 - 5 =$

d)  $10 - 3 =$

2 Use the ten frames to complete the subtractions.



a)  $20 - 2 =$

c)  $20 - 8 =$

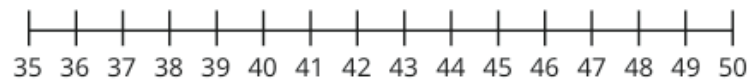
b)  $20 - 5 =$

d)  $20 - 3 =$

What do you notice about your answers to questions 1 and 2?



3 Use the number line to work out the subtractions.



a)  $40 - 1 =$

b)  $50 - 1 =$

$40 - 2 =$

$50 - 2 =$

$40 - 4 =$

$50 - 4 =$

$40 - 5 =$

$50 - 5 =$

What do you notice?

4



4 and 6  
are a bond to 10,  
so  $50 - 4 = 56$

What mistake has Tiny made?

## Challenge...

- 7 Pens are sold in boxes of 10  
Ron buys 5 boxes of pens.  
He gives 6 pens to Jo.  
How many pens does Ron have left?



How did you work it out?  
Talk about it with a partner.

- 8 There are 40 sweets in a bag.  
Dan takes 2 sweets.  
Ann takes 3 sweets.  
How many sweets are left in the bag?

