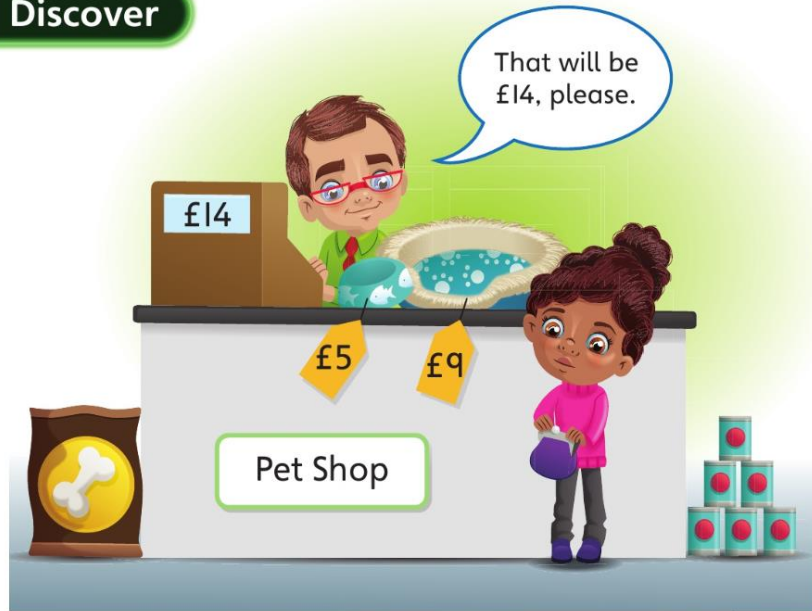# Contents

This shows us what page to turn to.

The first page of a lesson is a maths problem. Don't look at the next page until you have had a go! The third and fourth pages give you practice, so you can check your understanding.

Using number facts to check calculations

Discover

That will be £14, please.

£14

£5   £9

Pet Shop
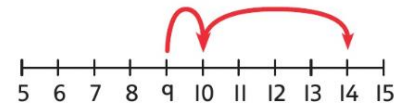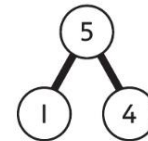
1 a) Check the total cost of the cat bed and the dish by adding the prices together.

b) What other calculations could you do to check your answer?
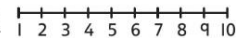
Share

a)

$9 \quad + \quad 5 \quad = \quad 14$

I used [image] to work out the total cost.

5
1   4

5 6 7 8 9 10 11 12 13 14 15

£9 + £5 = £14
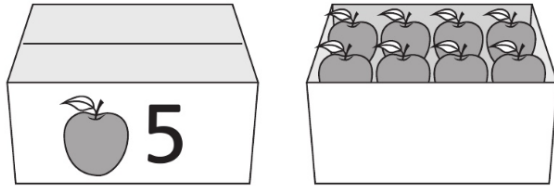
The total cost is £14.

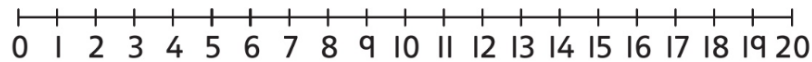I used [number line 1 2 3 4 5 6 7 8 9 10] to work out the total cost.

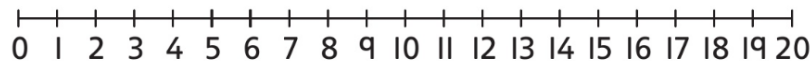## Using number facts to check calculations

1

There are 13 🍎 in total.

a) What subtraction can be used to check this total is correct?

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

◻ − ◻ = ◻

b) Write a different subtraction you could use to check the total number of 🍎.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

◻ − ◻ = ◻

2 Lara has 12 🍬.

Koji says he has taken 3 🍬.

Lara has 8 🍬 left.

Do you think Koji really took 3 🍬?

a) Do an addition to find out how many sweets Koji really took.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

◻ + ◻ = ◻
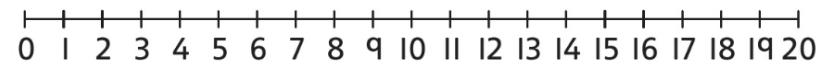
b) Now do a subtraction to find out how many sweets Koji really took.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

◻ − ◻ = ◻

Could I do a different subtraction?
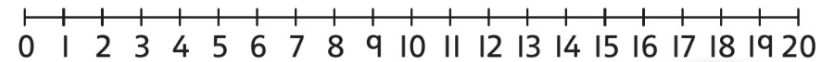
c) How many sweets did Koji take?

◻

Comparing number sentences

Discover

Baking Competition

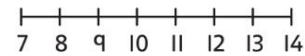**1** **a)** Did Ola or Ben bake more cookies?

b) Did Abbie or Ola bake more cookies?

Find the answers without adding up the numbers.

8

Share

If I put the cookies in lines, I can see who baked more cookies.

a) Ola 🍪🍪🍪🍪🍪🍪🍪🍪🍪🍪🍪

Ben 🍪🍪🍪🍪🍪🍪🍪🍪🍪🍪🍪🍪

I did $7 + 4 = 11$ and compared this to 12.

7 8 9 10 11 12 13 14

Ola baked 11 cookies. Ben baked 12 cookies.

$12 > 11$

Ben baked more cookies than Ola.

b) Ola 🍪🍪🍪🍪🍪🍪🍪 🍪🍪🍪🍪

Abbie 🍪🍪🍪🍪🍪🍪🍪 🍪🍪🍪🍪🍪🍪

Each person has one tray with 7 cookies on. I just need to see how many cookies are on the other trays.

$7 + 6 > 7 + 4$

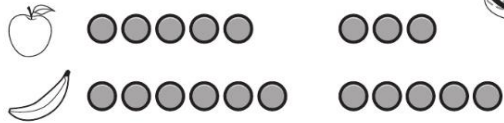As 6 is greater than 4 then Abbie baked more cookies than Ola.
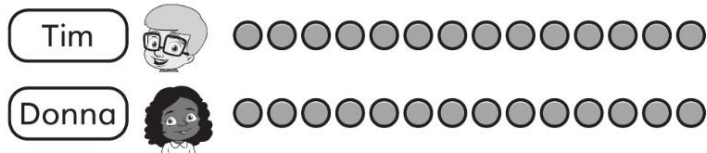
9

Comparing number sentences

1 a) Are there more 🍎 or 🍌?

🍎 ⚫⚫⚫⚫⚫   ⚫⚫⚫

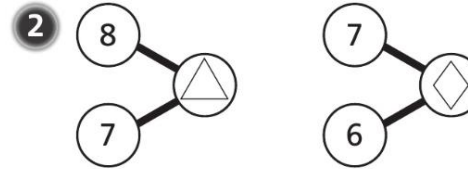🍌 ⚫⚫⚫⚫⚫   ⚫⚫⚫⚫⚫

$5 + 3 \bigcirc 5 + 6$ There are more _____ .

b) Tim and Donna each have 14 counters.

Tim gives 5 ⚪ away. Donna gives 8 ⚪ away.

Who has the most counters left?

Tim   ⚪⚪⚪⚪⚪⚪⚪⚪⚪⚪⚪⚪⚪⚪

Donna   ⚪⚪⚪⚪⚪⚪⚪⚪⚪⚪⚪⚪⚪⚪

$14 - \boxed{} \bigcirc 14 - \boxed{}$

_____ has the most counters left.

2 8 7
      △
      7 6
      7 ◇
      6

Does △ or ◇ have the greater value?

☐ ◯ ☐ ◯ ☐ ◯ ☐

✏️ ☐ has the greater value.

3 Use <, > or = to make each number sentence correct.

$10 + 4 \bigcirc 18$ $9 + 2 \bigcirc 9$

$8 + 8 \bigcirc 7 + 7$ $9 - 5 \bigcirc 9 - 8$

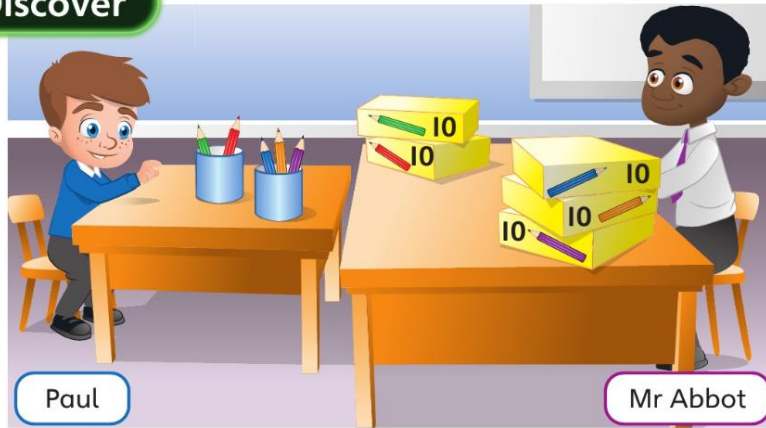$16 + 3 \bigcirc 16 - 1$ $10 + 2 \bigcirc 9 + 3$

Are there any I could do without working out the answers on both sides?
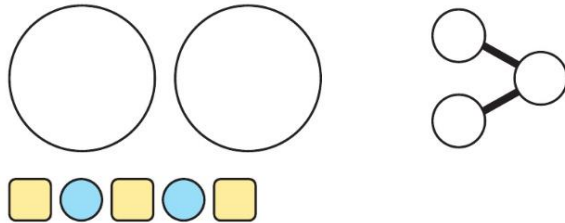
Finding related facts

Discover

Paul

Mr Abbot

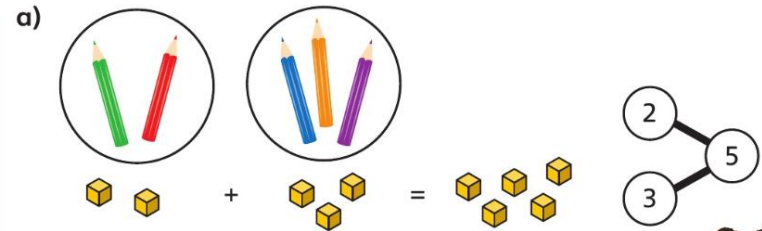**1 a)** How many pencils does Paul have?

Copy and complete the diagrams to help you fill in the number sentence.

b) How many pencils does Mr Abbot have?
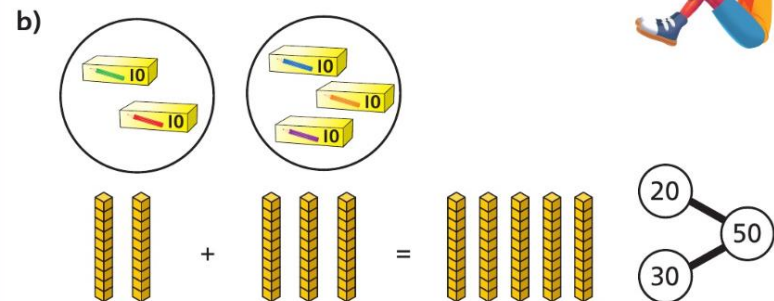
What is the same? What is different?

Share

a)

2 + 3 = 5

Paul has 5 pencils.

I wrote 5 = 2 + 3.
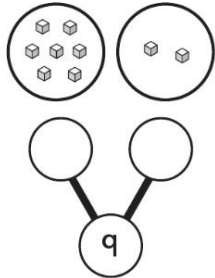
b)

20 + 30 = 50

Mr Abbot has 50 pencils.

The signs and some of the digits are the same.

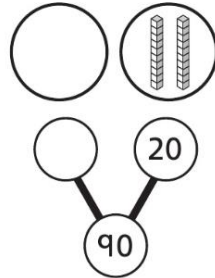Some of the numbers are ones. Some of the numbers are tens.

Finding related facts

1 Complete the diagrams and the number sentences.

$2 + \boxed{} = 9$
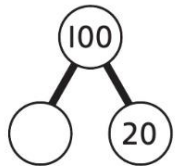
$\boxed{} = 9 - 2$

$20 + \boxed{} = 90$

$\boxed{} = 90 - 20$

2 Use the bead string to complete the diagrams and the number sentences.

100	
20	80
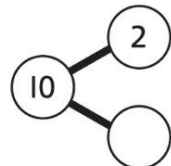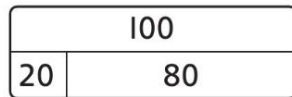
$20 + \boxed{} = 100 \qquad 100 - 20 = \boxed{} \qquad \boxed{} + 2 = 10$

3 Use the diagrams to complete the number sentences.

a)

10	
4	6

$4 + \boxed{} = 10$

$\boxed{} = 40 + 60$

$100 - 40 = \boxed{}$

b)

$40 + 10 = \boxed{}$

$50 - 40 = \boxed{}$

$5 - \boxed{} = 1$

c)
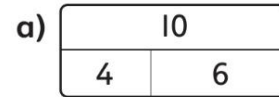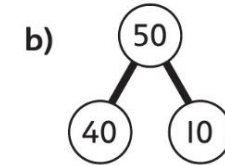
$\boxed{} = 4 + 5$
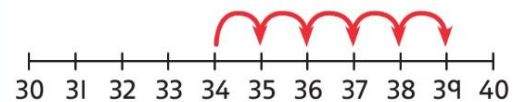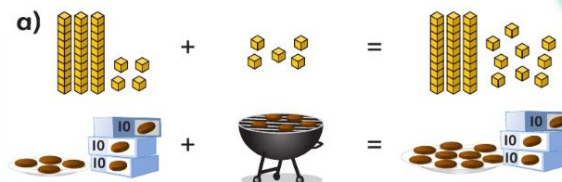
$50 + 40 = \boxed{}$

$40 + \boxed{} = 90 - \boxed{}$

Adding and subtracting 1s

Discover

1 a) How many 🍪 are there in total?

Write a number sentence to show your answer.

b) Three people each eat one 🍪.

How many 🍪 are left?

Write a number sentence to show this.

16

Share

a)

I counted on from 34.

I ordered my work in columns. First, I added the ones.

T	O
3	4
+	5
	9

T	O
3	4
+	5
3	9

Then I added the tens.

$34 + 5 = 39$

There are 39 🍪 in total.

17

Adding and subtracting 1s

1 How many seeds are there in total?

20 21 22 23 24 25 26 27 28 29 30

$\boxed{} + \boxed{} = \boxed{}$

22
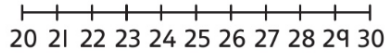
There are $\boxed{}$ seeds in total.

2 There are 29 animals in a field.

There are 5 🐄 . The rest are 🐑 .

How many 🐑 in the field?

Tens	Ones

T	O
2	9

$- \boxed{}$

$\boxed{}\ \boxed{}$

There are $\boxed{}$ 🐑 in the field.

3 Complete the number sentences.

a) $45 + 2 = \boxed{}$

T	O
$\boxed{}$	$\boxed{}$

$+ \quad \boxed{}$

| $\boxed{}$ | $\boxed{}$ |

b) $56 + 3 = \boxed{}$

T	O
$\boxed{}$	$\boxed{}$

$+ \quad \boxed{}$

| $\boxed{}$ | $\boxed{}$ |

c) $\boxed{} = 92 + 7$

T	O
$\boxed{}$	$\boxed{}$

$+ \quad \boxed{}$

| $\boxed{}$ | $\boxed{}$ |

d) $45 - 3 = \boxed{}$

T	O
$\boxed{}$	$\boxed{}$

$- \quad \boxed{}$

| $\boxed{}$ | $\boxed{}$ |

e) $68 - 8 = \boxed{}$

T	O
$\boxed{}$	$\boxed{}$

$- \quad \boxed{}$

| $\boxed{}$ | $\boxed{}$ |