**1** Look at the picture.
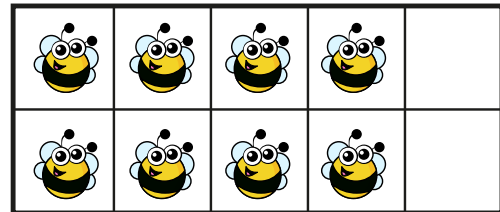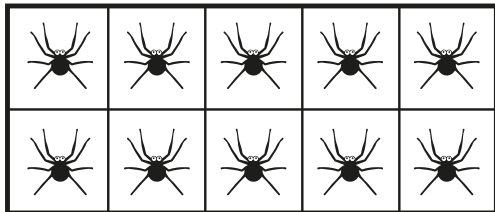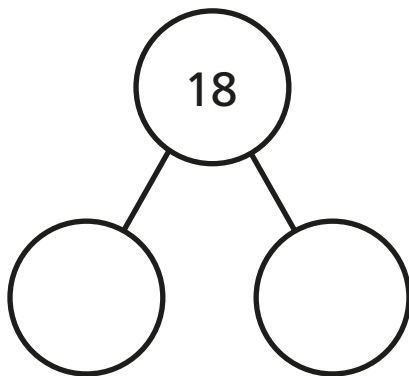
Complete the part-whole model and fact family.

18

$$\square + \square = 18$$

$$\square + \square = 18$$

$$18 - \square = \square$$
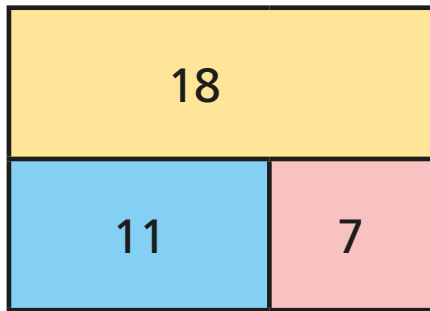
$$18 - \square = \square$$

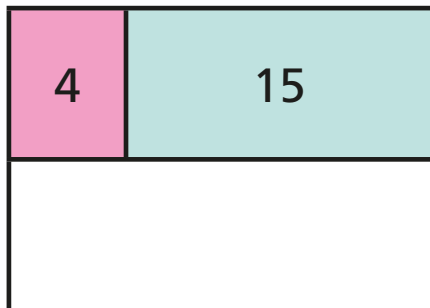Can you write each number sentence a different way?

**2** Complete the fact family for each bar model.

**a)**

| | |
|---|---|
| 18 | |
| 11 | 7 |

☐ + ☐ = ☐

☐ + ☐ = ☐

☐ − ☐ = ☐

☐ − ☐ = ☐

**b)**

| | |
|---|---|
| 4 | 15 |
| | |

☐ = ☐ + ☐

☐ = ☐ + ☐

☐ = ☐ − ☐

☐ = ☐ − ☐

**c)** Draw your own bar models.

Ask a partner to write the fact family to match.

# Compare number sentences

**1** Draw counters to show each addition.
Use two different colours.

**a)**

9 + 3

**b)**

6 + 7

**c)**

11 + 2
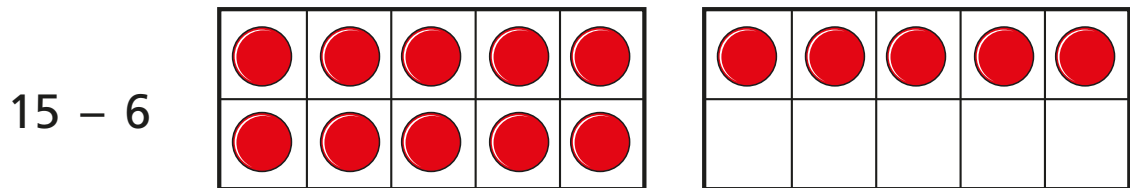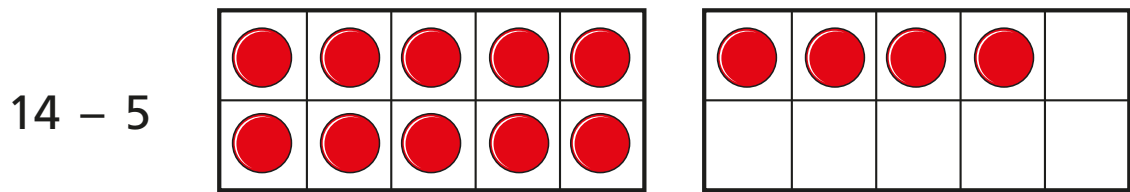
**d)** Write the missing phrase.

( less than )   ( greater than )   ( equal to )

9 + 3 is _____ 6 + 7

11 + 2 is _____ 9 + 3

6 + 7 is _____ 11 + 2

**2** Cross out counters to show each subtraction.

14 − 5

15 − 6

Write the missing phrase.

( less than )    ( greater than )    ( equal to )

14 − 5 _____ 15 − 6

**3** Write <, > or = to compare the number sentences.

**a)** 12 + 3 ◯ 12 − 3

**b)** 17 − 4 ◯ 17 − 6

**c)** 13 + 6 $\bigcirc$ 6 + 13

**d)** 14 − 4 $\bigcirc$ 1 + 0

Did you have to work them all out?

**4** Complete the number sentence.

$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}} - \boxed{\phantom{0}}$$

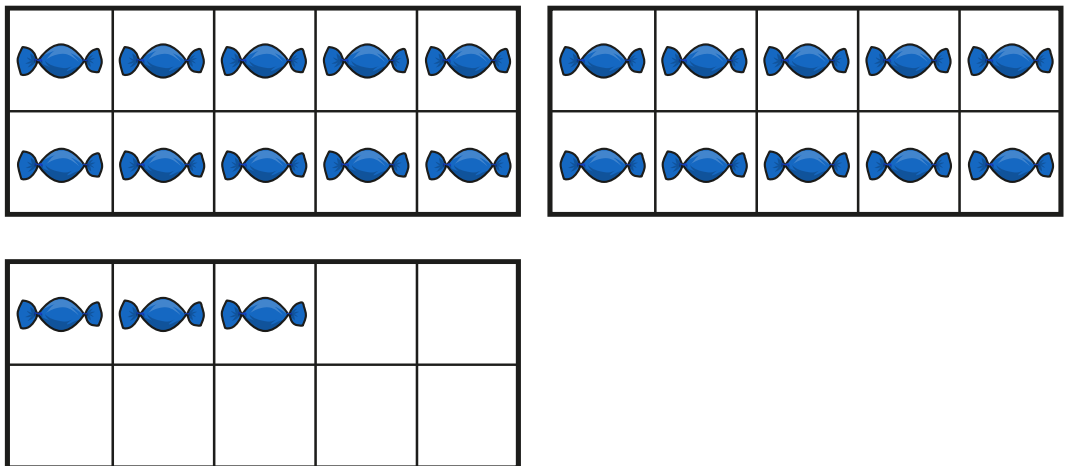How many ways can you complete the number sentence?

**1**  **a)**  How many sweets are there?
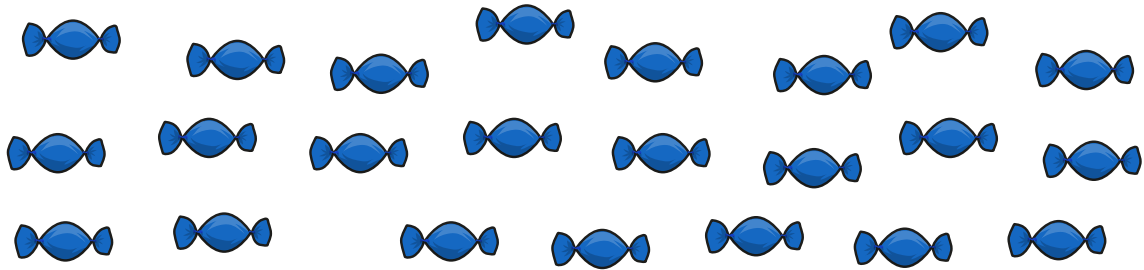
There are [ ] sweets.

**b)**  How many sweets are there?
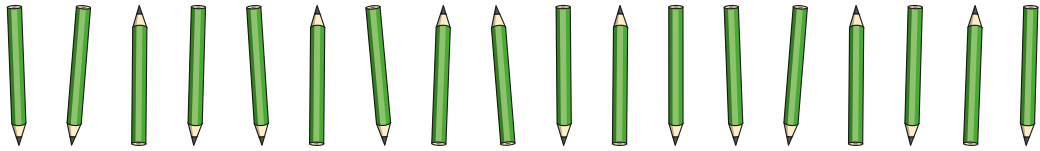
There are [ ] sweets.

**c)**  Which were easier to count? Why?

**2** **a)** Draw counters to show how many pencils there are.
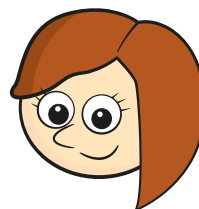


**b)** Complete the sentence.

There are ☐ pencils.

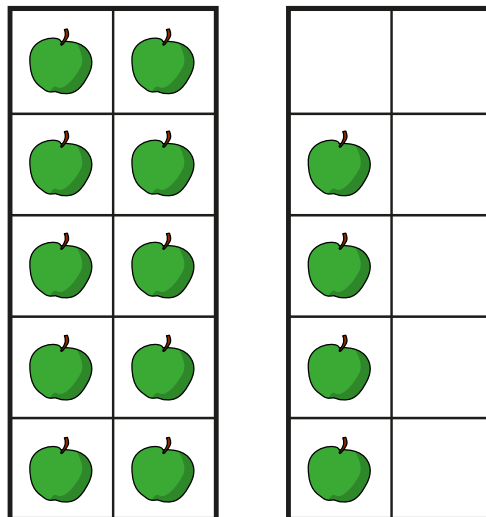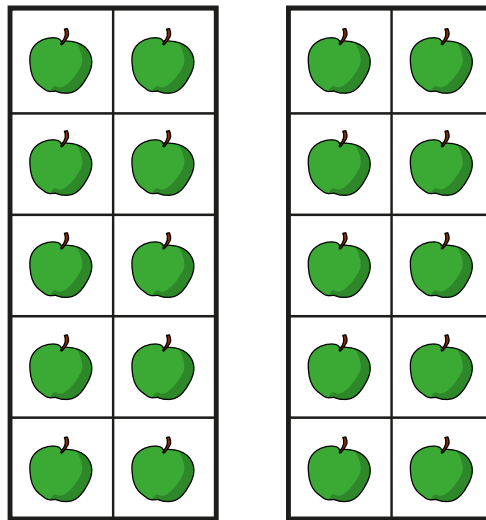**c)** How do you know you have counted them all?

**3**

I am going to count from 21 to 36
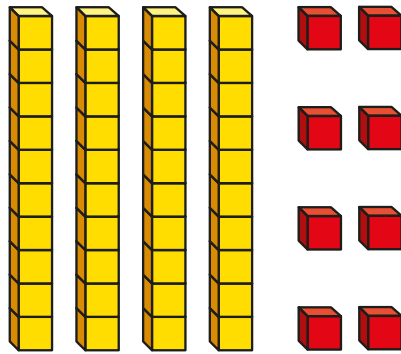
Will Rosie say the number 29? _____

How do you know?

**1** How many apples are there?



There are [ ] tens and [ ] ones.

There are [ ] apples.

**2** What number is shown?



There are ☐ tens and ☐ ones.

The number shown is ☐

**3** Draw base 10 to show each number.

**a)** 23

**b)** 3 tens and 2 ones

**4** Complete the number sentences.

**a)** 1 ten and 8 ones = ☐

**b)** ☐ = 2 tens and 5 ones

**c)** 41 = ☐ tens and ☐ one

**d)** 37 ones = ☐ tens and ☐ ones

**e)** 2 tens and 10 ones = ☐

**5** Eva and Jack are making the same number.

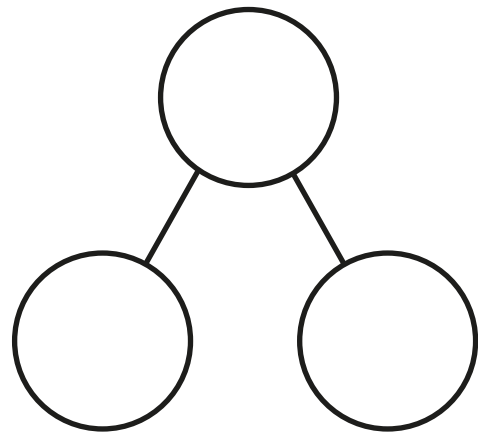Eva's number has these tens.
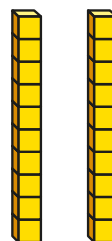
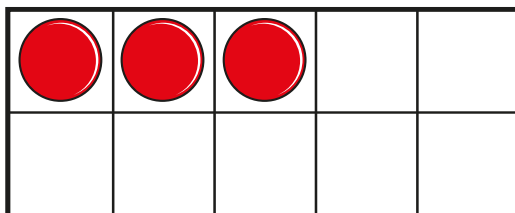Jack's number has nine ones.

What number are Eva and Jack making?

☐

**1** Complete the part-whole model for each picture.
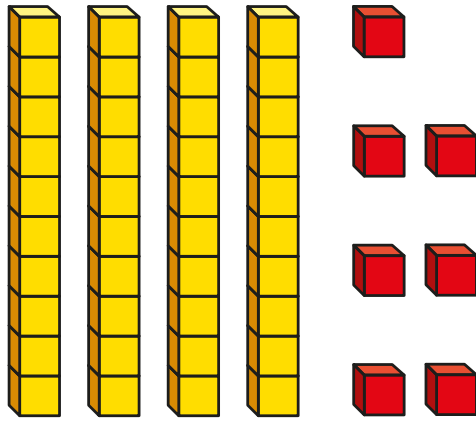
a)



31
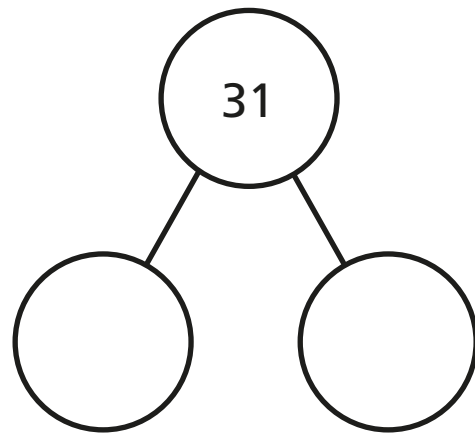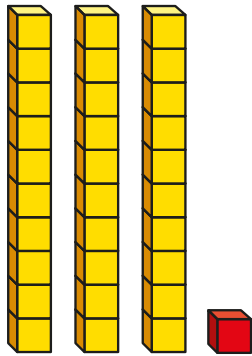
b)
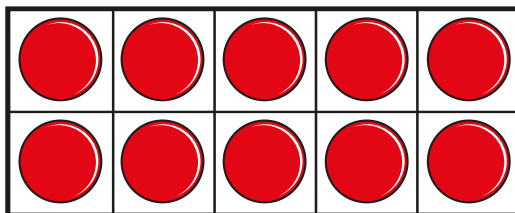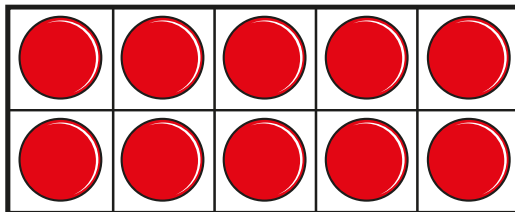
**c)**
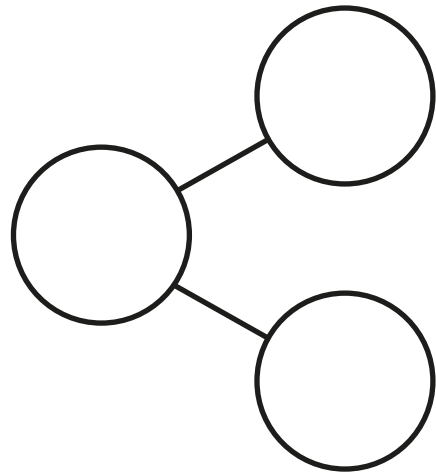


**2** Make these numbers with counters or cubes.

**a)** 16

**b)** twenty-one

**c)** 43

**3** Draw a picture to match each part-whole model.

**a)**

**b)**

```
      ( 42 )
      /    \
  ( 40 )  ( 2 )
```
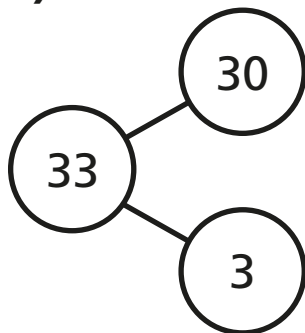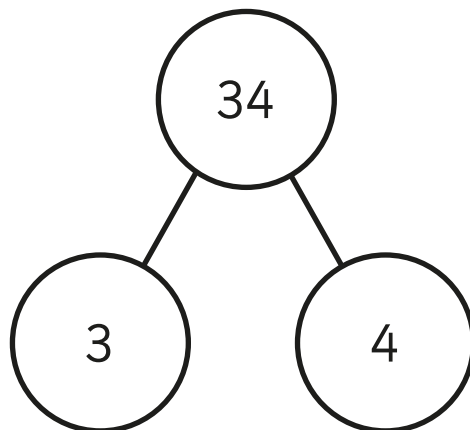
**c)**

```
        ( 30 )
       /
  ( 33 )
       \
        ( 3 )
```
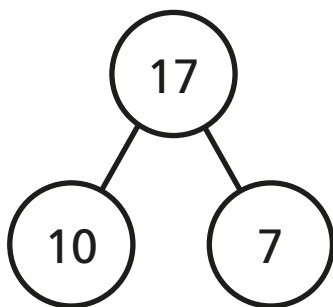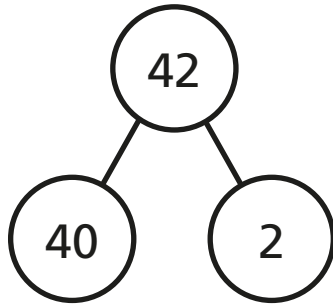
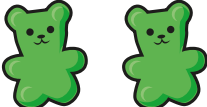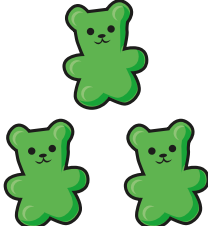**4** Mo has filled in this part-whole model.

```
      ( 34 )
      /    \
  ( 3 )   ( 4 )
```

What mistake has Mo made?
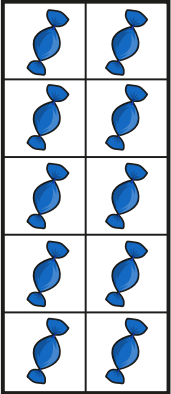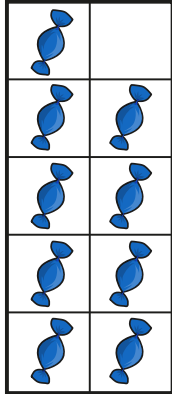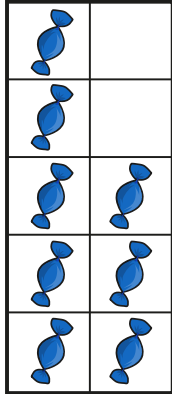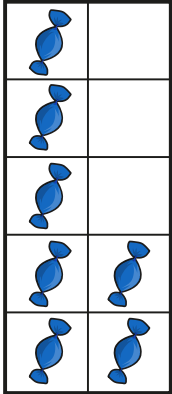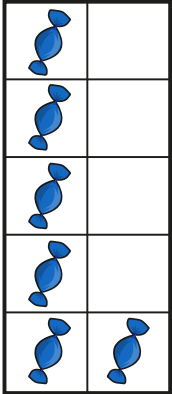
**1** Complete the number tracks.
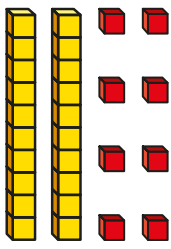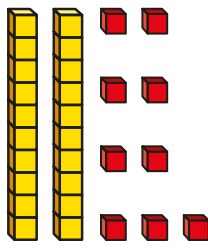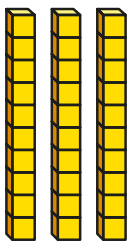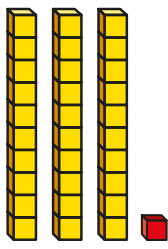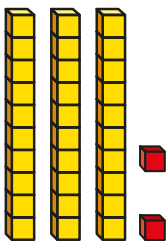
a)

| | | | | |
|---|---|---|---|---|
| 1 | 2 | | | |
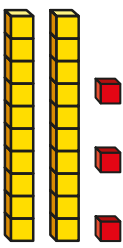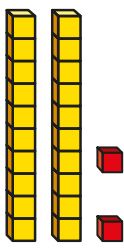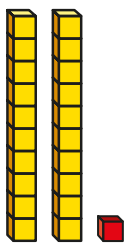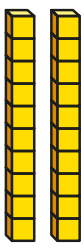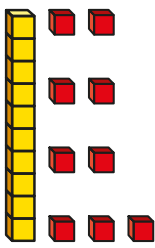
b)

| | | | | |
|---|---|---|---|---|
| 10 | 9 | | | |

**c)**

| | | | | |
|---|---|---|---|---|
| 28 | 29 | | | |

**d)**

| | | | | |
|---|---|---|---|---|
| 23 | | | | |

**2** Complete the number tracks.

**a)**

| 17 | 18 | 19 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|

**b)**

| 41 | 42 | 43 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|

**c)**

| 9 | 8 | 7 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|

**d)**

| 36 | 35 | 34 | | | | | | | |
|----|----|----|---|---|---|---|---|---|---|

**3** **a)** Which number comes **before** 14?

**b)** Which number comes **after** 32?

**c)** What are the next two numbers **after** 29?
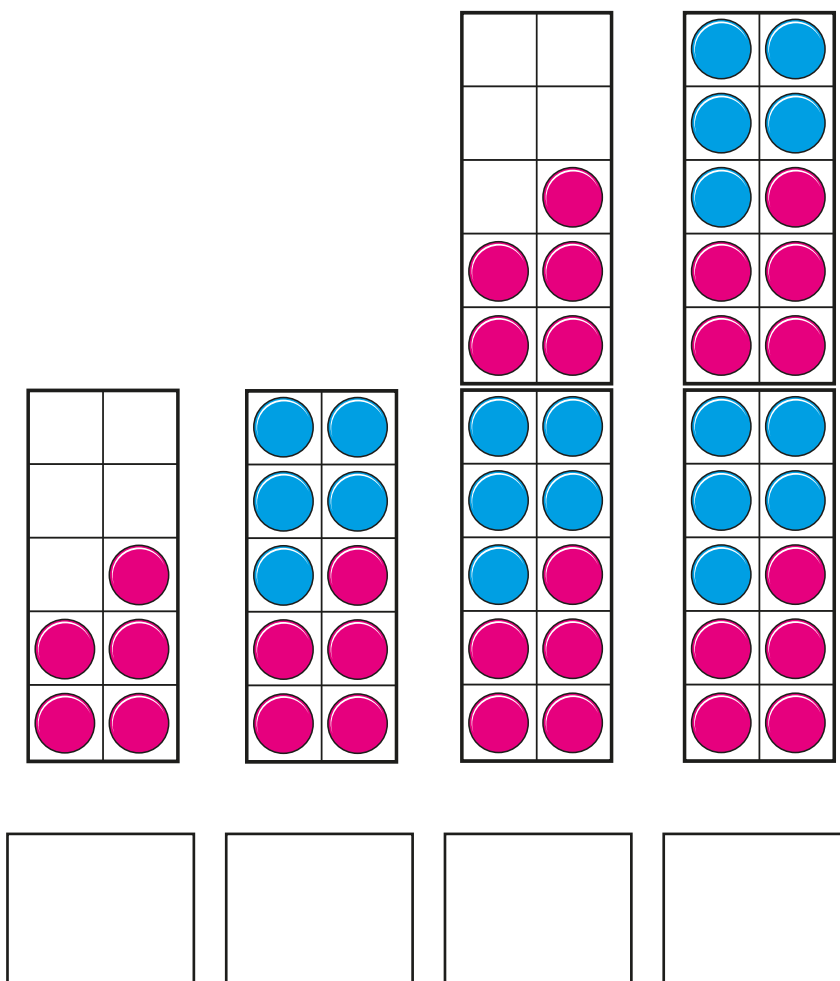
and

**4** Complete the number track.

| | | | | 24 | 23 | | | | |
|---|---|---|---|----|----|---|---|---|---|

**1** What are the numbers?



| | | | |
|---|---|---|---|

**2** How many spots are there in total?
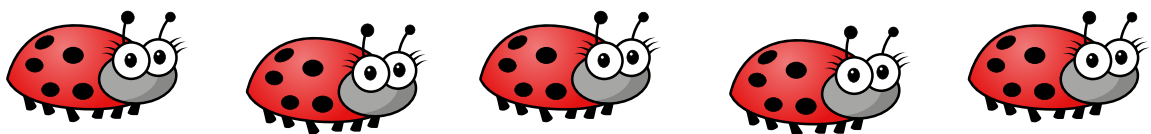


There are [ ] spots in total.

**3** Colour 35 petals.
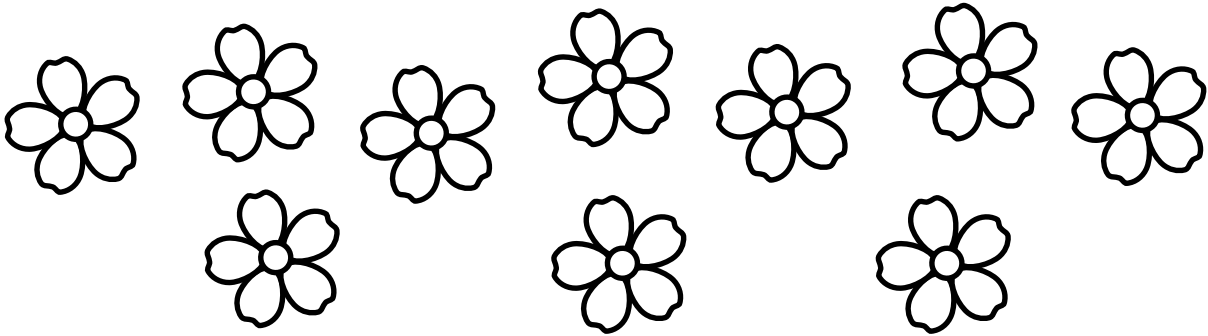
**4** Fill in the missing numbers.

a)

| 0 | 5 | 10 | | | | | |
|---|---|----|---|---|---|---|---|

b)

| 50 | 45 | 40 | | | | | |
|----|----|----|---|---|---|---|---|

c)

+5   +5   +5   +5   +5   +5

20   25   30
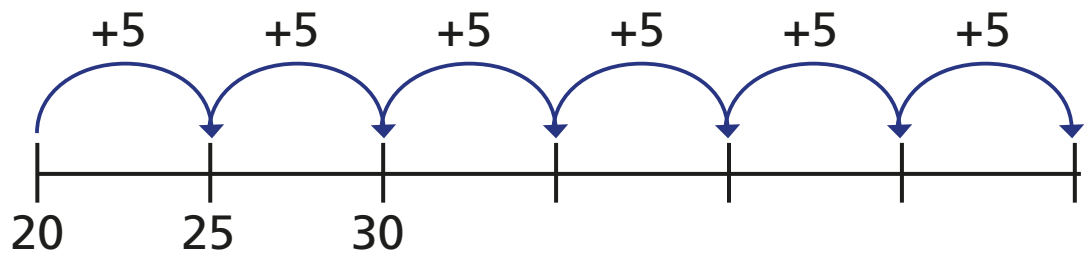
**5** Mo counts up to 50 in 5s.

Eva counts up to 50 in 2s.

What numbers do they both say?

Can you spot a pattern?