

Progress check

# Year 4

## Mathematics

### Paper 2: reasoning and problem solving

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
Teacher						

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# Instructions

You **may not** use a calculator to answer any questions in this test.

## Questions and answers

You have **35 minutes** to complete this test.

Follow the instructions for each question.

Work as quickly and as carefully as you can.

If you need to do working out, you can use the space around the question.

**Some questions have a method box like this:**

Show your method

For these questions you may get a mark for showing your method.

If you cannot do one of the questions, **go on to the next one**.

You can come back to it later, if you have time.

If you finish before the end, **go back and check your work**.

## Marks

The number under each line at the side of the page tells you the maximum number of marks for each question.

**1**

There are 380 cars in a car park.

120 cars leave.

How many cars are now in the car park?

cars

1 mark

**2**

Tick the statements that are true.

$3 \times 4 = 4 + 4 + 4$

$3 \times 4 = 4 \times 3$

$3 \times 4 = 2 \times 6$

$3 \times 4 = 12 \times 2$

1 mark

**3**

Olivia and Charlotte are representing numbers on a grid.

Olivia's number				Charlotte's number			
1,000s	100s	10s	1s	1,000s	100s	10s	1s
●	● ● ●	● ● ● ●		●	● ● ●		● ● ● ●

Who has represented 1,305?

Circle

**Olivia****Charlotte****Both of them**

1 mark

4

The letters A, B and C represent three numbers.



Write the correct letter next to each number.

6,726

6,920

6,355

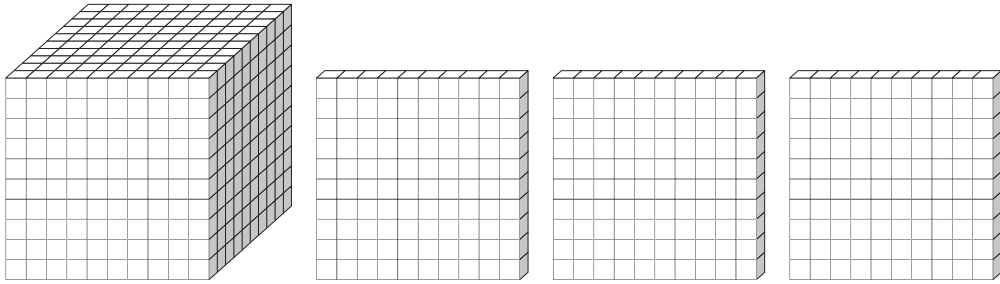
1 mark

Round 6,355 to the nearest thousand.

1 mark

5

Kallan makes a number.



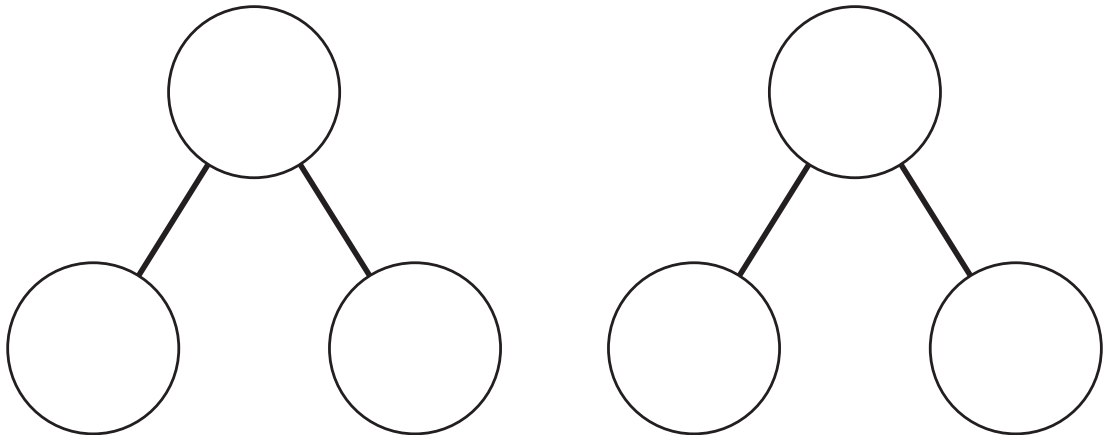
Write Kallan's number in words.

---

1 mark

Kallan wants to partition his number in **different** ways.

Complete the part-whole models to show two ways he could do this.



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2 marks

6

Brooke is talking about adding 100



Brooke

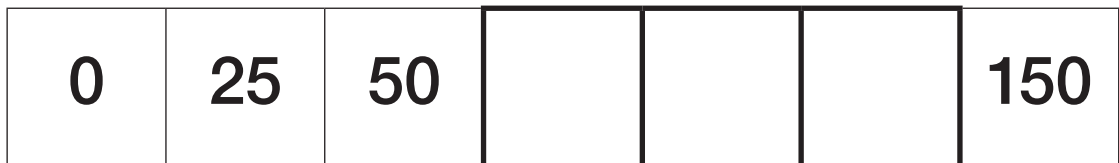
When you add 100 to a number it **only** changes the hundreds column.  
For example  $2,570 + 100 = 2,670$

Give an example to show that Brooke is not correct.

1 mark

7

Complete the number track.



1 mark



**8**

Here is a correct calculation.

$$568 + 422 = 990$$

Tick the statements that are true.

$422 - 990 = 568$

$422 + 568 = 990$

$422 = 568 - 990$

$422 = 990 - 568$

1 mark

Complete the missing number to make this statement true.

$568 + \boxed{\phantom{0000}} = 1,010$

1 mark

9

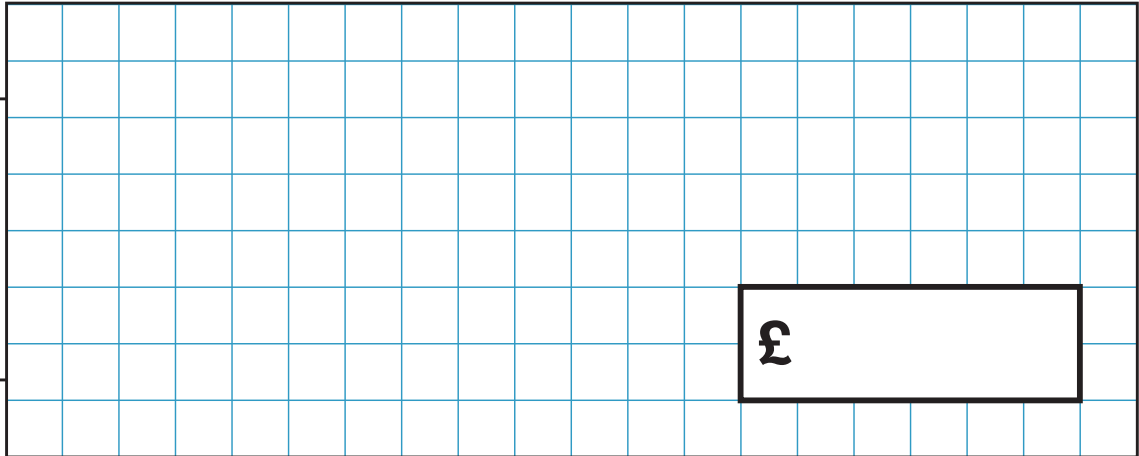
Amir has £275

He gives £105 to his mum and £80 to his dad.

He shares the money that is left equally between his 10 friends.

How much money does each friend receive?

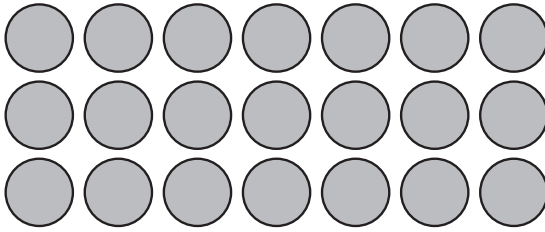
Show  
your  
method



A large grid for showing the method. A small box on the right contains the symbol £.

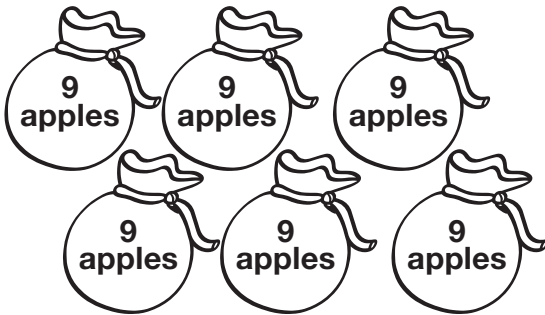
2 marks

Complete a multiplication fact that each image represents.



$$\square \times \square = \square$$

1 mark



$$\square \times \square = \square$$

1 mark

Complete the number sentences.

$$\boxed{3} \times \boxed{\phantom{00}} = \boxed{18}$$

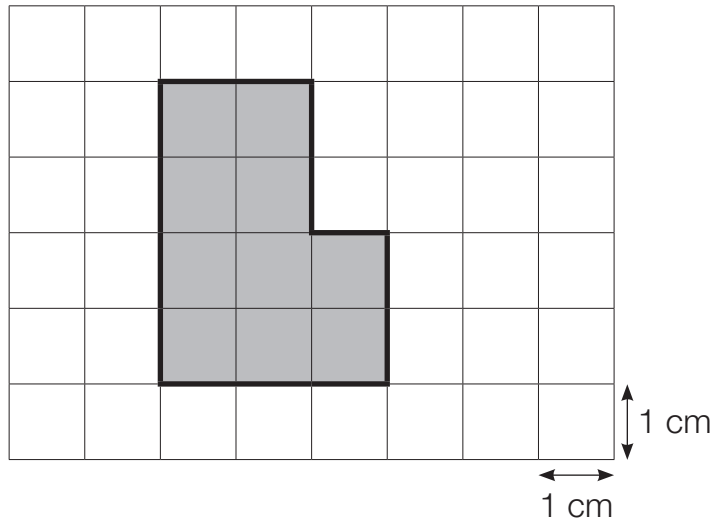
$$\boxed{3} \times \boxed{\phantom{00}} = \boxed{180}$$

$$\boxed{180} \div \boxed{\phantom{00}} = \boxed{30}$$

3 marks

11

A shape is drawn on a centimetre squared grid.

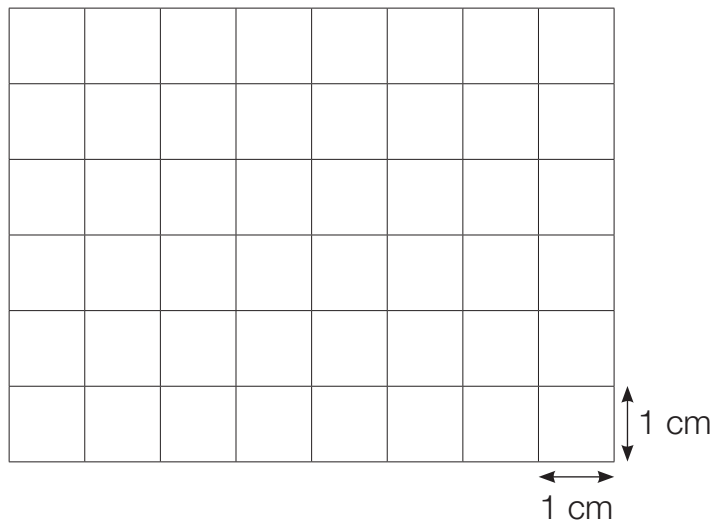


Work out the perimeter of the shape.



1 mark

Draw a rectangle with a perimeter of 12 cm on this centimetre squared grid.



1 mark

**12**

Complete the missing numbers.

$$3 \div \square = \square \times 3$$

1 mark

**13**

Use &lt;, &gt; or = to make the statements correct.

3 thousands, 4 hundreds and 2 ones  3,420

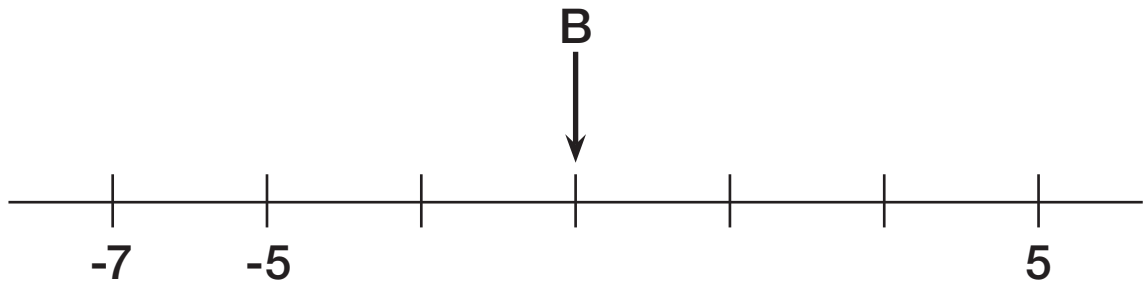
1,000 less than 9,700  1,000 more than 8,700

3,997 rounded to the nearest 10  4,000

3 marks

**14**

Here is a number line.



What number is B pointing to?

1 mark

**15**Courtney is using the column method to work out  $3,999 + 5,999$ 

	3	9	9	9
+	5	9	9	9
	9	9	9	8
		1	1	1

Explain a more efficient way that Courtney could have worked out the addition.

1 mark



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