Year 2

Mathematics

Paper 2: reasoning and problem solving

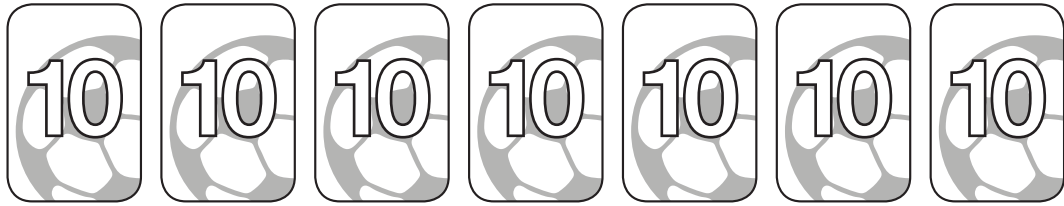| First name	
Middle name	
Last name	
Date of birth	Day ⬚ Month ⬚ Year ⬚
Teacher	

White Rose Maths

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1 Football cards come in packs of 10

How many cards are there altogether?

2 Match the words to the correct numbers.

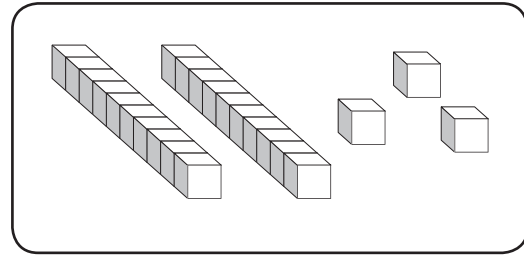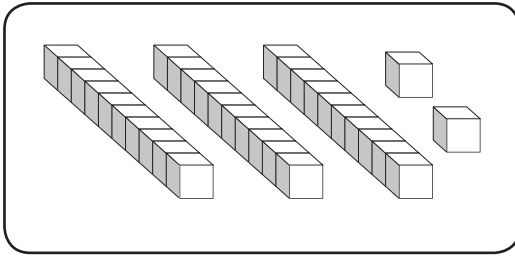| Eleven | Twelve | Thirteen | Fourteen |

| 13 | 11 | 14 | 12 |

3 Sam makes these numbers.

What numbers has he made?

	and	

Which number is bigger?
Explain why.

4 Here is a part-whole model.
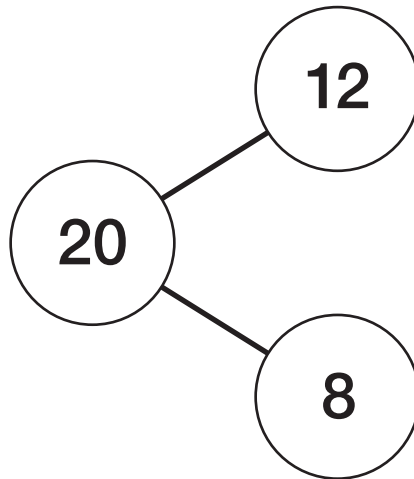
Use the model to write four different number sentences.

☐	+	☐	=	☐	
☐	+	☐	=	☐	
☐	−	☐	=	☐	
☐	−	☐	=	☐	

1 mark

5 Anna is counting up in steps of 10

She starts from 12

What are the next two numbers?

	and	

6 Sam has these coins.
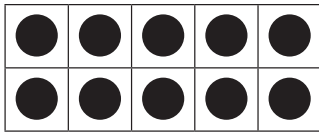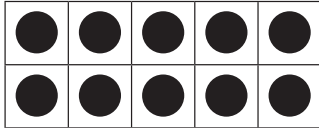

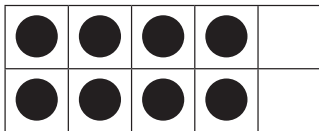Circle coins to make the same amount as Sam.

7 Sam, Jenny and Tom each make a number.
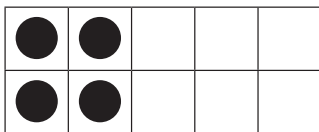
Sam has 6 more than Jenny and 6 less than Tom.
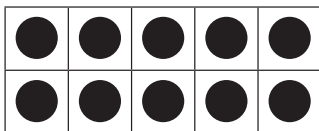
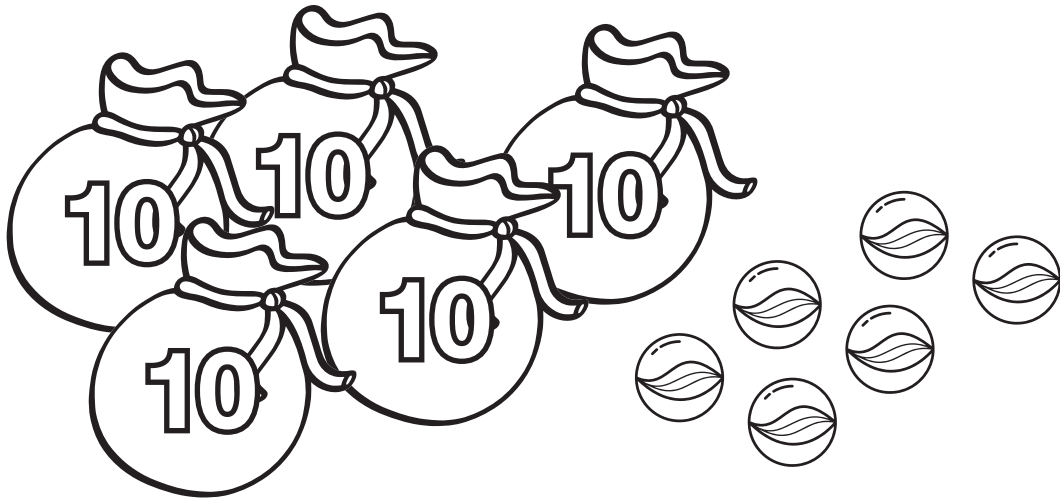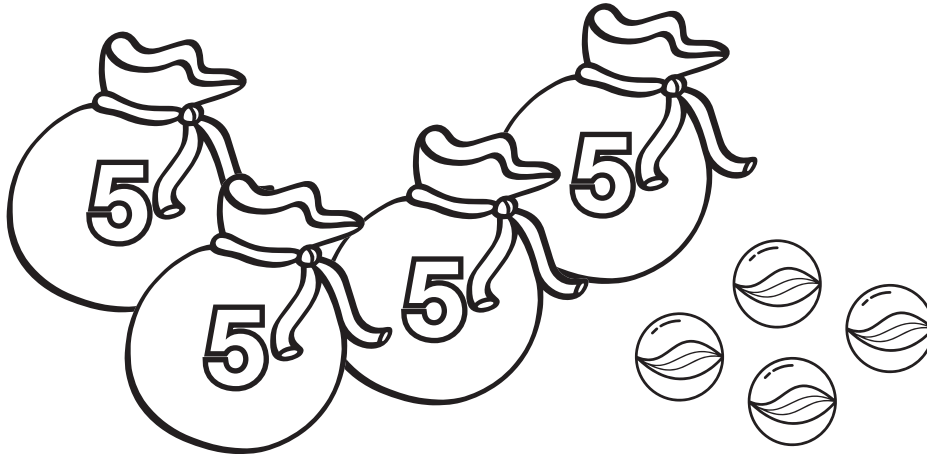Match each number to the correct person.

Sam

Tom

Jenny

1 mark

8 Tom has 56 marbles.

These are Sam's marbles.

How many **more** marbles does Tom have?

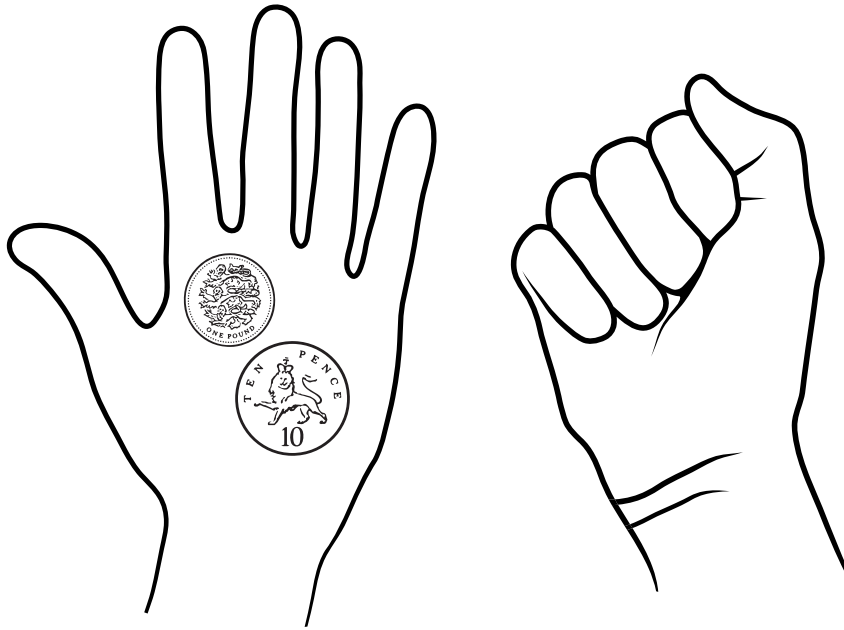Show your working.

2 marks

9 Tom has £1 and 26p altogether.

Left hand   Right hand

What coins could Tom have in his right hand?

10 Here is an array.
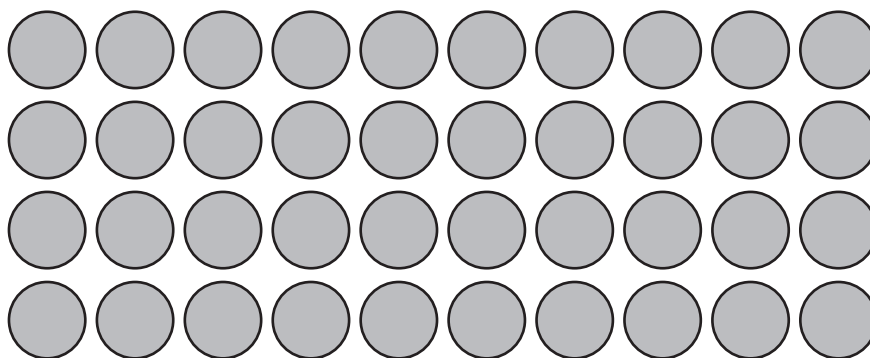
Write two different multiplication facts that the array shows.

$$\boxed{} \times \boxed{} = \boxed{}$$

$$\boxed{} \times \boxed{} = \boxed{}$$

1 mark

11 Anna buys a teddy and a pencil.

26p

The teddy costs 20p more than the pencil.

How much does she pay altogether?

2 marks

12 Match the calculations that have the same answers.

| 22 – 6 |

| 20 + 4 |

| Double 12 |

| 20 – 4 |

| 5 × 4 |

| 4 + 4 + 4 + 4 + 4 |

2 marks

13 There are 65 toys in a box.

Tom takes 19 toys.
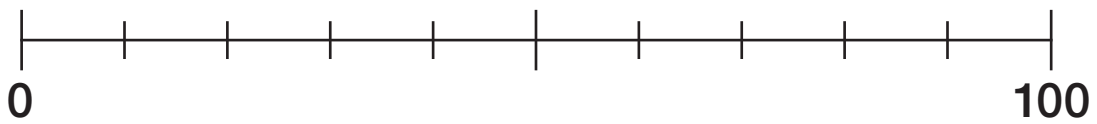
Anna takes 24 toys.

How many toys are left in the box?

2 marks

14 Show where these numbers go on the number line.

| 15 | | 51 |

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0                                      100
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2 marks

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