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

1 Write the numbers in the correct place on the number line.
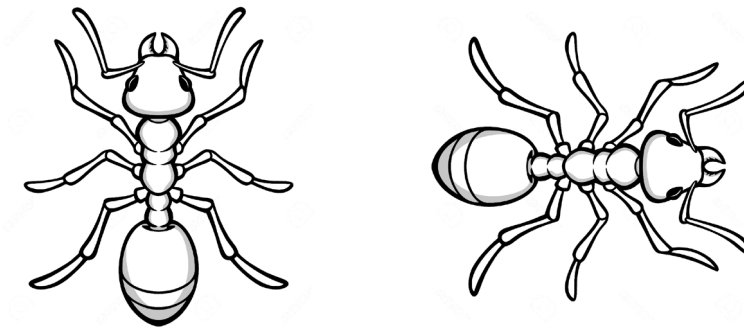
63 68

60 ⊢─┼──┼──┼──┼──┼──┼──┼──┼──┼──┤ 70

1 mark

2 This ant is rotated **anti-clockwise**.

Choose the correct word to complete the sentence.

| quarter | half | three-quarter | full |

The ant has made a _____ turn anti-clockwise.

1 mark

3 Circle the correct number of tens and ones to make 37

10   10   1   1
    10   1   1
10   1   1
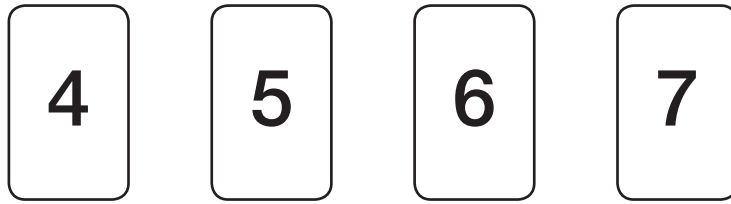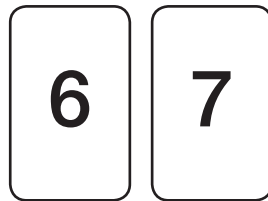   10   10   1
    10   1   1
10   10   1
   10

Write the number 37 in words.

_____

4 Sam has four digit cards.

| 4 | 5 | 6 | 7 |

He uses two of the cards to make this number.

| 6 | 7 |

Is Sam's number odd or even?

Sam makes another number using the cards.
He says,

It is greater than 46
It is less than 67

What could Sam's number be?

5 Kim is counting in 2s.

She starts counting at 32

$$32 \ldots$$

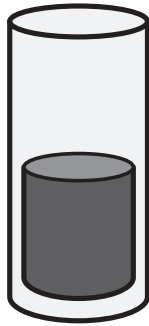Circle the numbers that Kim will say.

45   36   44

1 mark

6

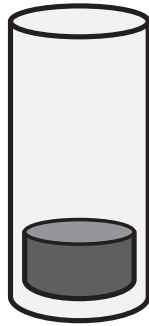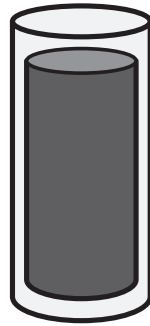| Half Full	Quarter Full	Full	Empty

A   B   C   D

Tick the statements that are true.

D has less than A   ☐

C is the least full   ☐

A is $\frac{2}{4}$ full   ☐
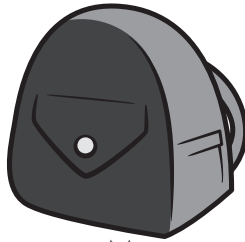
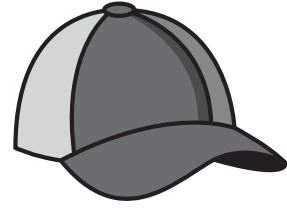2 marks

£43   £20   £7

Sam buys a bag and a hat.

How much does he pay altogether?

£ [   ]   1 mark

Kim has £17

She wants to buy the shoes.

How much **more** money does Kim need?

£ [   ]   1 mark

8 Here is a number sentence.

$$12 > 6 + \boxed{}$$

Circle the number that can complete the sentence.
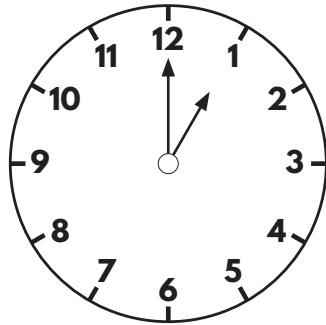
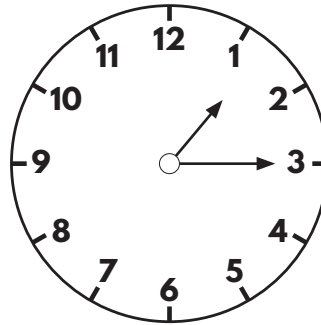**18   6   4   11**

○

1 mark

9 Sam is reading a book.

The clocks show when he started and when he finished.

Start time

Finish time

How many minutes did Sam read his book for?

	minutes

1 mark

Kim reads her book for 2 hours.

How many minutes does she read for?

	minutes

1 mark

10 Complete the missing numbers.

Counting in steps of 3

| 0 |
| 3 |
| |
| |
| |

Counting in steps of 10

Counting in steps of 5 → | 15 | | | | 35 |

| 40 |
| |

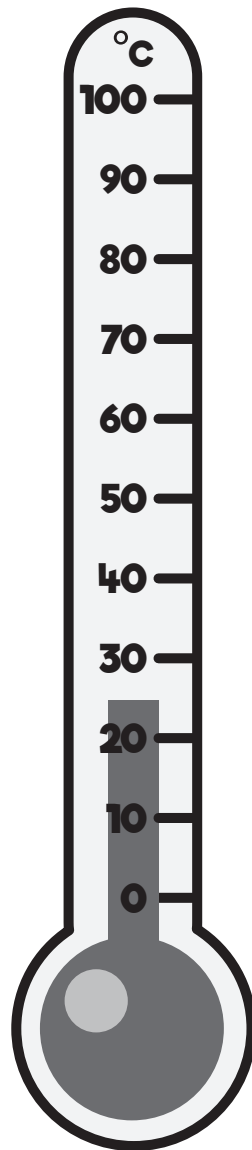| 21 |
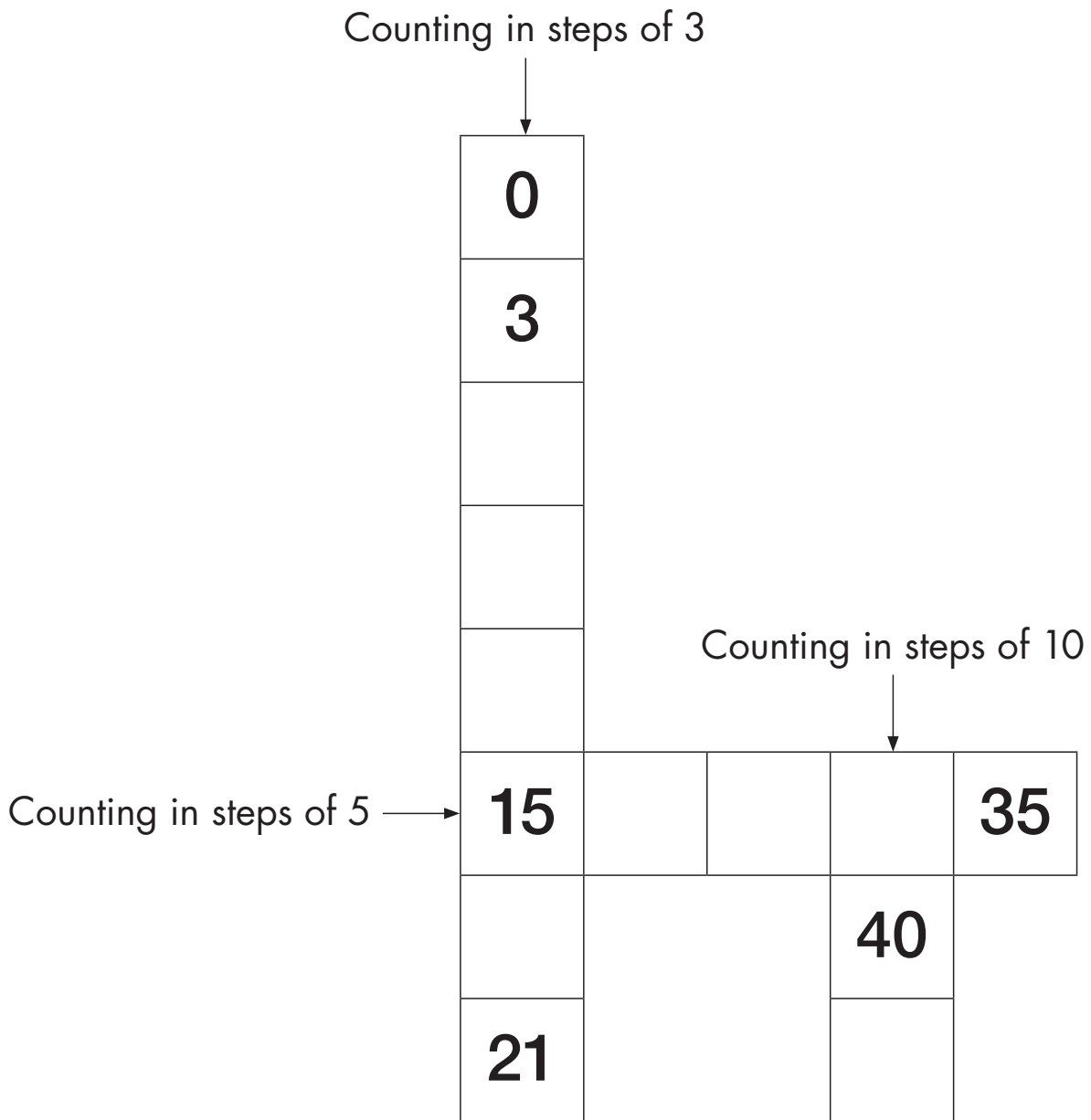
3 marks

11 Here is a thermometer.

What is the temperature?

°C

1 mark

12 Match each shape to the correct label.

One has been done for you.
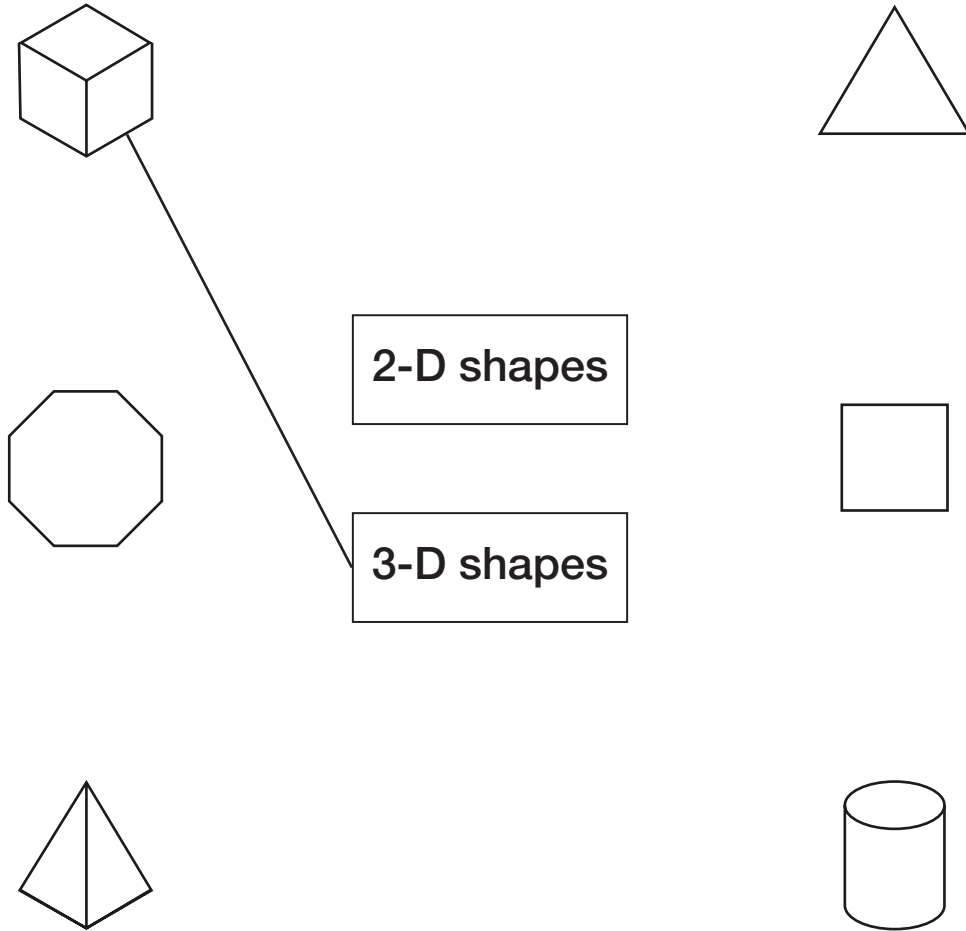
2-D shapes

3-D shapes

2 marks

13 There are 57 sweets in a bag.

Tom puts 18 more sweets in the bag.

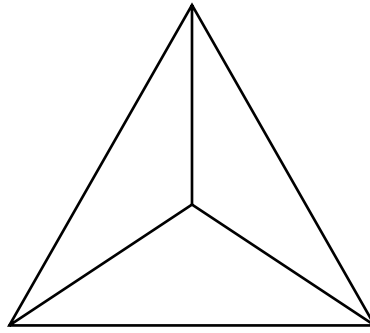Kim takes out 22 sweets.
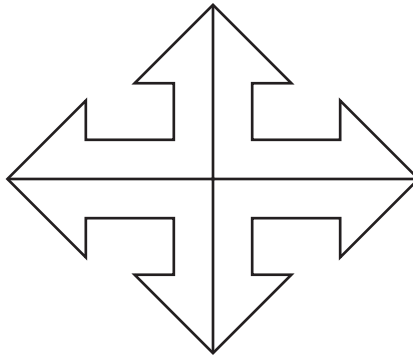
How many sweets are left in the bag?

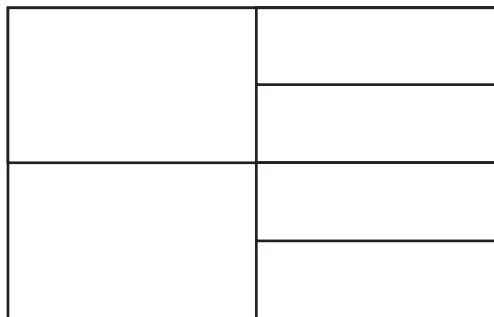| |
|------------------|
| **sweets** |

2 marks

14 Shade $\frac{1}{3}$ of the shape.

Shade $\frac{1}{2}$ of the shape.

Shade $\frac{3}{4}$ of the shape.

3 marks

END OF TEST

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