Key stage 1

Mathematics

Paper 2: reasoning

First name	
Middle name	
Last name	

Total marks

Amy   **Ajay**
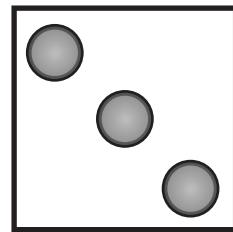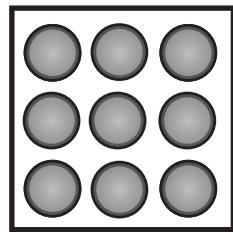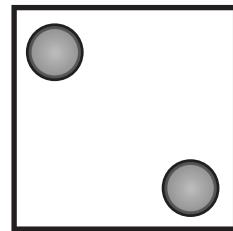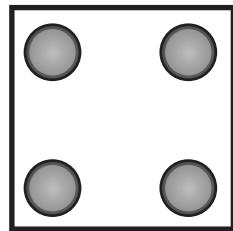
Ben   Sam   Sita   Kemi

Practice question

1

Monday

Friday

Wednesday

Saturday

2

52   57

[   ]

○
1 mark

1 mark

4
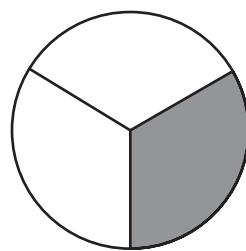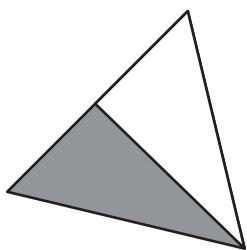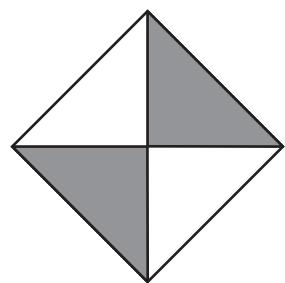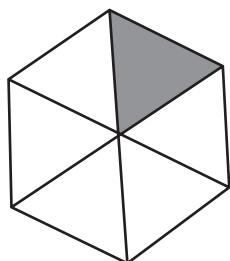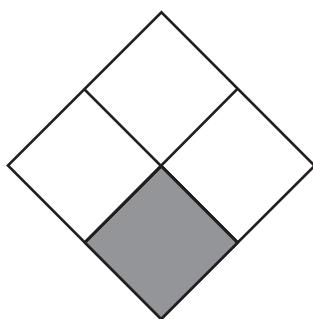
$$12 = \boxed{} \times 6$$

5

96

6 Match each shape to the correct description.

One is done for you.
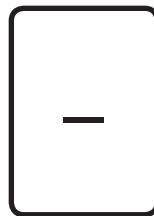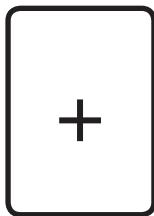
shape   **description**

| triangle | | has 8 vertices |

| square | | has 3 sides |

| octagon | | has 4 right angles |

| circle | | has no vertices |

(triangle connected to "has 3 sides")

1 mark

7 Here are two cards.

$+$ $-$

Choose a card to make each calculation correct.

One is done for you.

4 $+$ 1 = 5

23 [ ] 1 = 22

40 [ ] 1 = 39
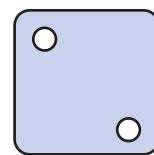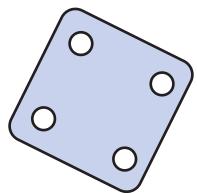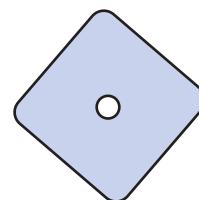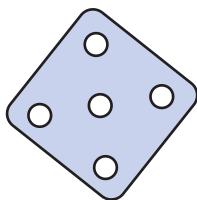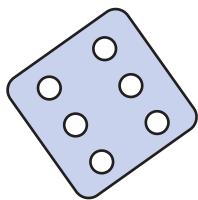
19 [ ] 1 = 20

1 mark

8 Circle the **three** dice that add up to **13**
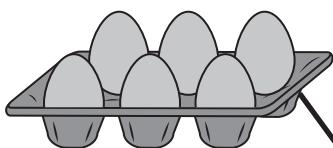
1 mark
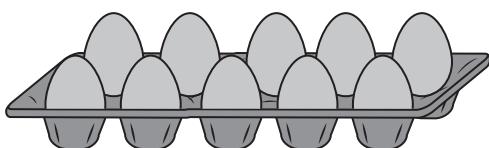
9 Match each egg box to the correct multiplication.
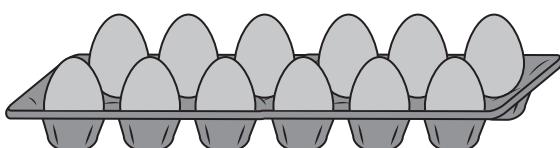
One is done for you.
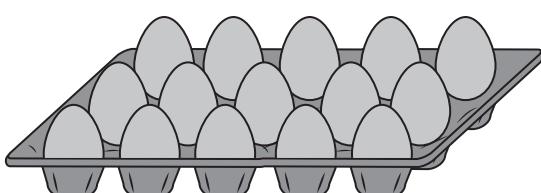
6×2

5×3

3×2

5×2
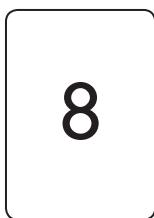
1 mark
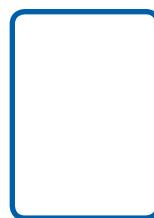
**10** Sam has cards that are numbered 1 to 8

Sam turns over two of the cards.

| 8 | 1 | 5 | |

| | 2 | 4 | 7 |

Which two cards has Sam turned over?

Write the numbers on the cards below.

1 mark

11 Complete the number sentences.

One is done for you.

$\frac{1}{2}$ of $\boxed{8}$ = 4

$\frac{1}{2}$ of $\boxed{}$ = 3

1 mark

12 Write the missing numbers in the sequence.

$\boxed{16}$ $\boxed{14}$ $\boxed{12}$ $\boxed{}$ $\boxed{}$ $\boxed{}$
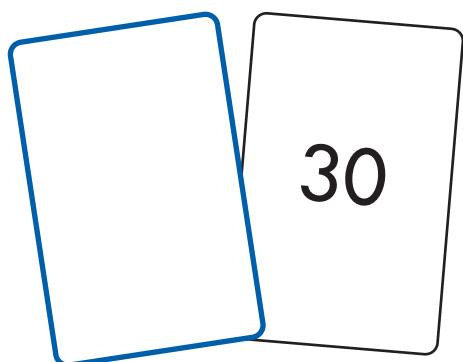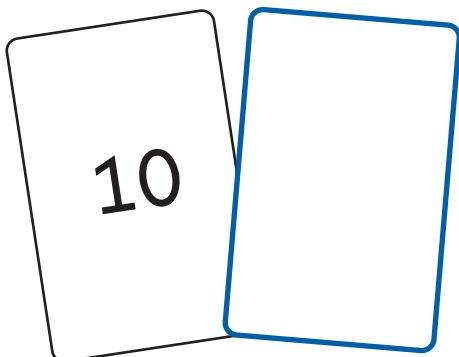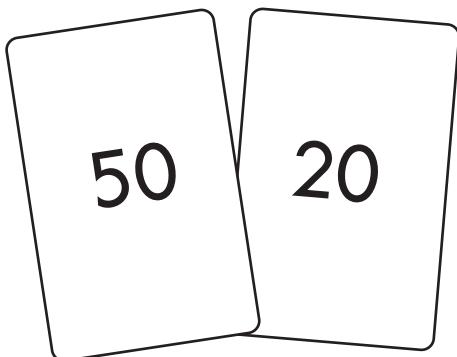
1 mark

13 Each pair of cards has a **total of 70**

Write numbers to complete the pairs.

One is done for you.

50   20

10   [ ]

[ ]   30
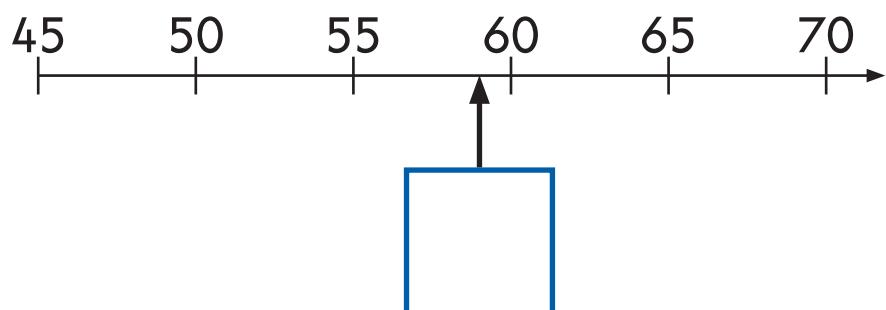
**14** Write the correct number in the box.

45   50   55   60   65   70
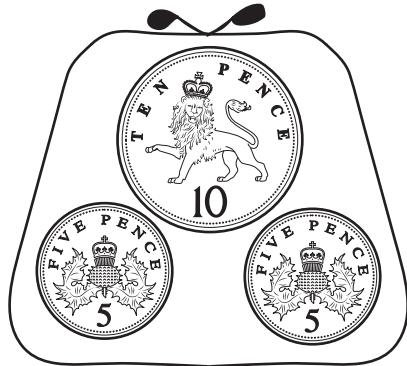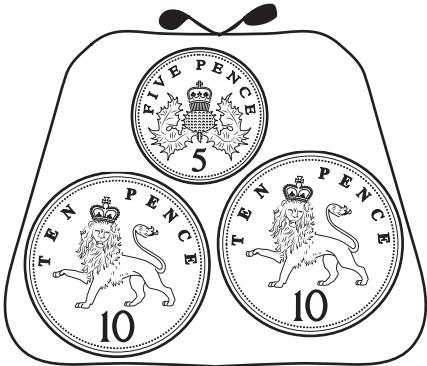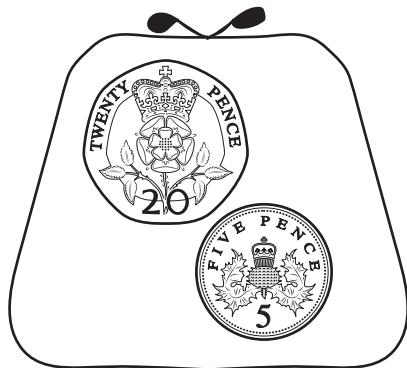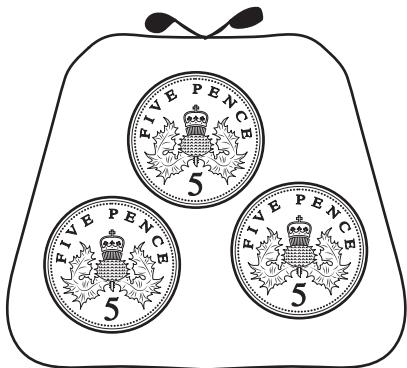
15 Amy has 50p.

She buys a pencil for **30p**.
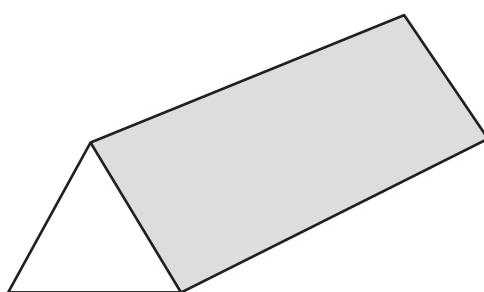
Tick the purse that shows how much money Amy has **left**.
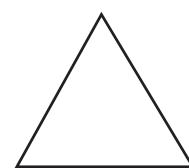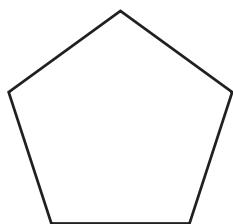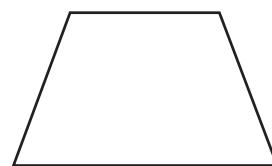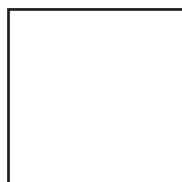
1 mark

16 Here is a prism.
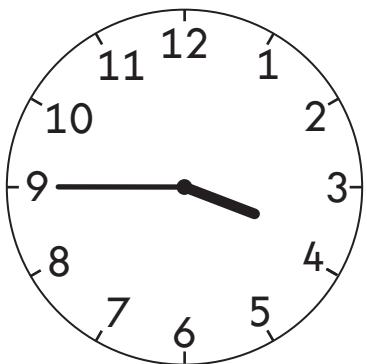
Tick **all** the shapes that are faces on this prism.
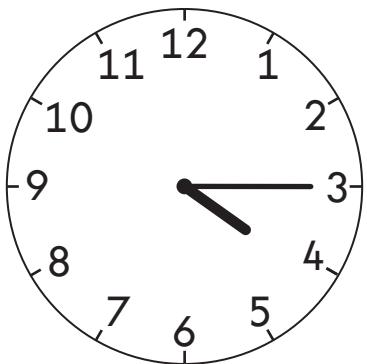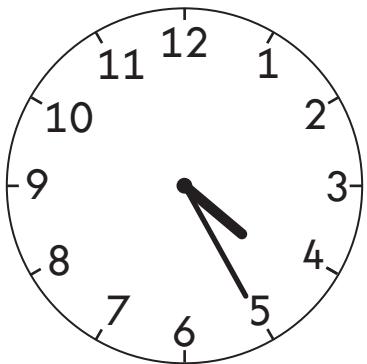
17 Match each clock to the time it shows.

twenty-five past four

quarter to four
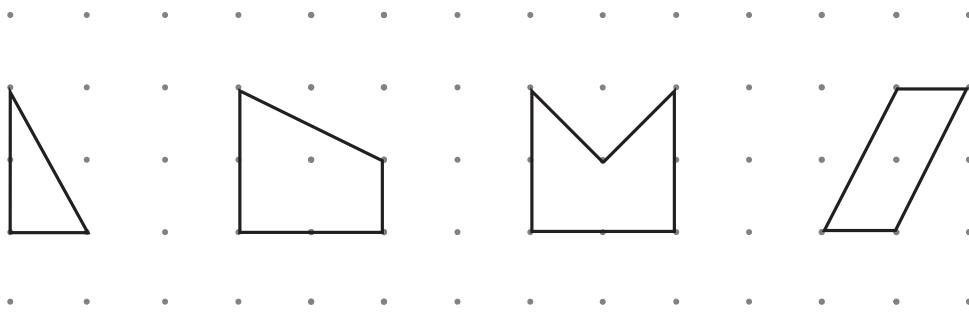
quarter past four

1 mark

18 Tick the shape that has a line of symmetry.

1 mark

19 Write the next number sentence in the pattern.

$$1 + 2 + 3 = 6$$

$$2 + 3 + 4 = 9$$

$$3 + 4 + 5 = 12$$

$$4 + 5 + 6 = 15$$

☐ + ☐ + ☐ = ☐
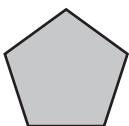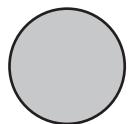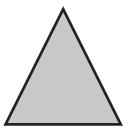
1 mark

20 Sam is pointing at the triangle.

He turns a **half turn**.

Tick the shape Sam is pointing at after the half turn.

1 mark

21 Sam has four number cards.

| 10 | 20 | 30 | 40 |

Use **three** of his cards to make these correct.

$$27 + \boxed{} = 67$$

$$54 - \boxed{} = 34$$
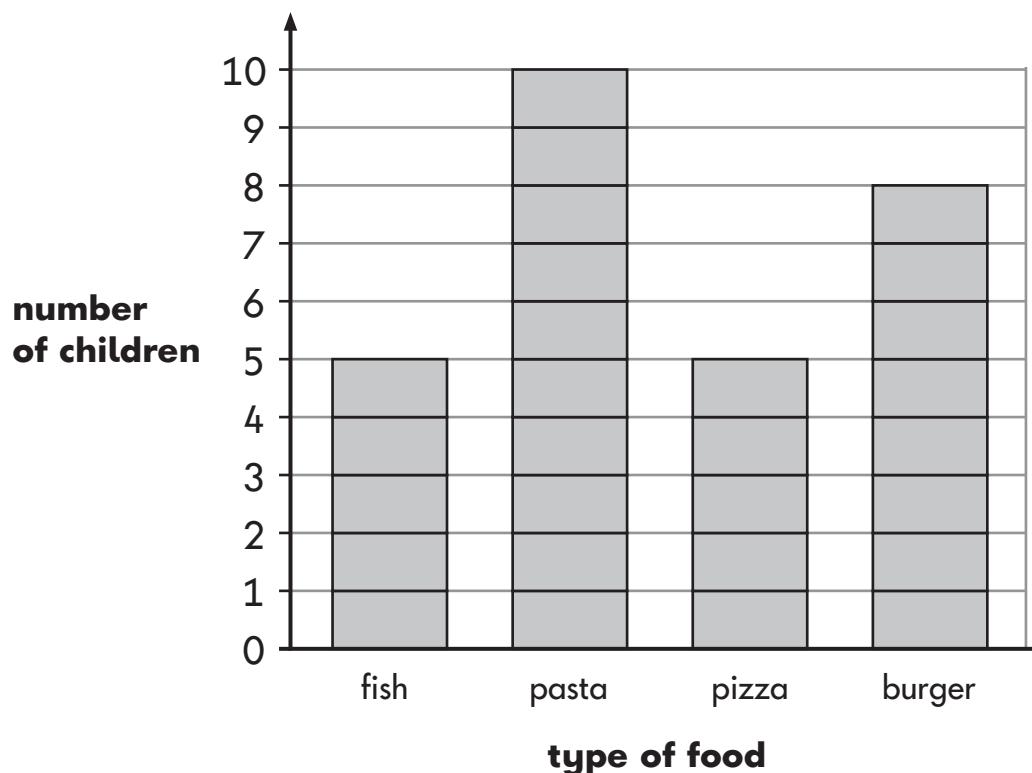
$$\boxed{} + 88 = 98$$

2 marks

22 This chart shows what class 2 ate for lunch today.

Fewer children ate pizza than burger.

How many fewer?
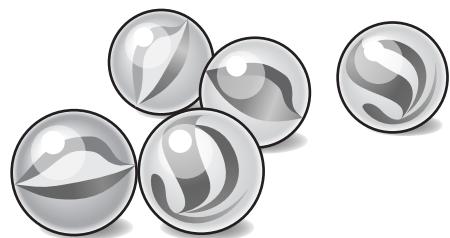
children

1 mark

23 Ben has **five** marbles.

Kemi has **seven times** that number.

How many marbles does Kemi have?

marbles

1 mark

24 Sam plays a maths game.

Each is equal to **2** points.

 + + = 10 points

How many points is **one** equal to?

[   ] points

1 mark

25 Write five coins that have a total of 37p.

p	p	p	p	p
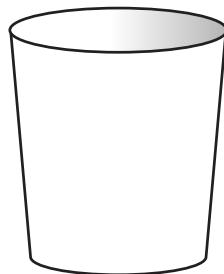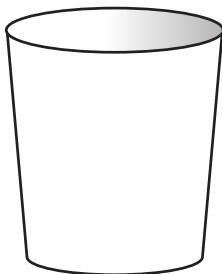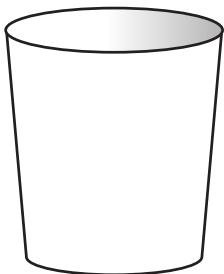
**26** Ajay has **30** pencils.

He shares them equally between **3** pots.

Complete the number sentence to show
how Ajay shares the pencils.

$$\boxed{} \div \boxed{} = \boxed{}$$
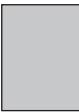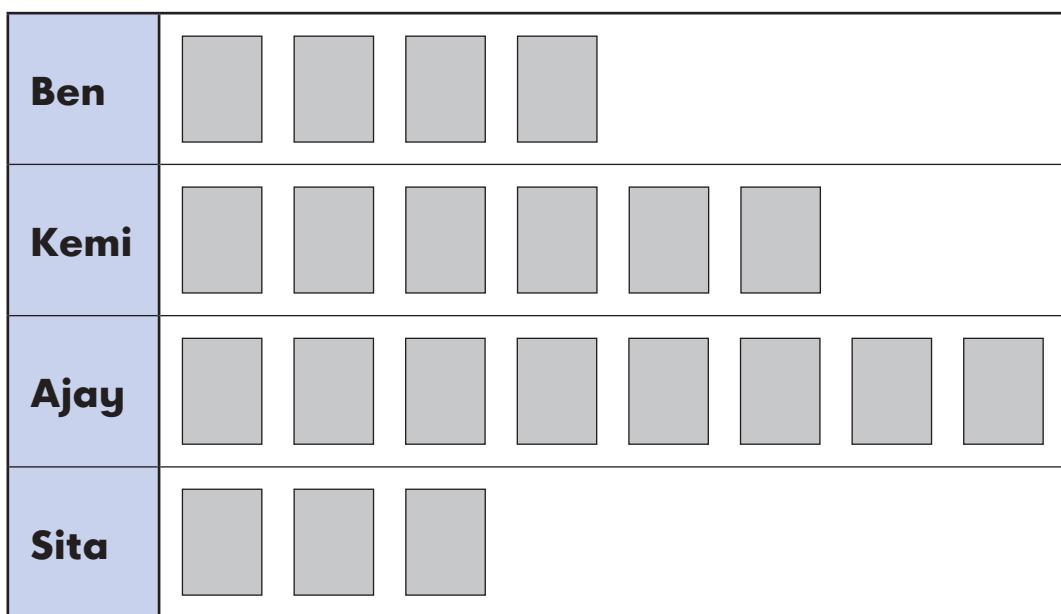
27 Some children make a chart of
how many books they read in a week.

Key: ☐ stands for **1** book

Ben	☐ ☐ ☐ ☐
Kemi	☐ ☐ ☐ ☐ ☐ ☐
Ajay	☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Sita	☐ ☐ ☐

Which children read **fewer than 5** books?

Circle them.

Ben   **Kemi**

Ajay   **Sita**

1 mark

28 Put a **digit** into each empty box to make the calculation correct.

$$1\boxed{} + \boxed{}3 = 29$$
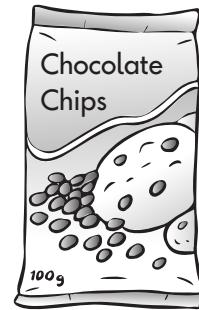
29 There are **100g** of chocolate chips in the bag.

Sita uses **25g**.

Ben uses **35g**.

How many grams of chocolate chips are **left** in the bag?

Show your working

g

2 marks

30 A shop has 12 bags of crisps.

It sells $\frac{1}{4}$ of the bags.

How many bags of crisps did the shop **sell**?

bags

1 mark

31 Ben has **63** beads.

He gives **37** beads away.

How many beads does Ben have **left**?

beads

1 mark

32 Ben has **90p**.

He buys **2** tickets.

Each ticket costs **35p**.

How much money does Ben have **left**?

Ticket
35p

Show
your
working

p

2 marks

End of test

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Standards & Testing Agency

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Paper 2: reasoning
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