

2019 national curriculum tests

Key stage 1

MATHEMATICS

Modified large print

Paper 2: reasoning

First name

Middle name

Last name

Note for marking:

This paper should be marked using the standard mark schemes for KS1 mathematics: Paper 2. Please also refer to the Key stage 1 mathematics amendments to mark schemes – MLP document for questions that have been modified or replaced.

In this booklet you will read the names of six children.

They are called:

Amy

Ajay

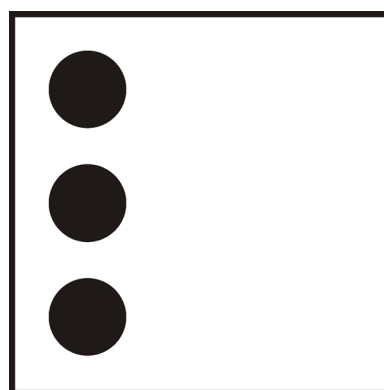
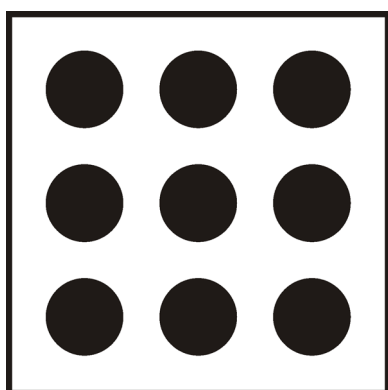
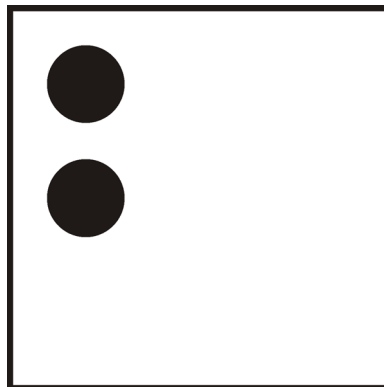
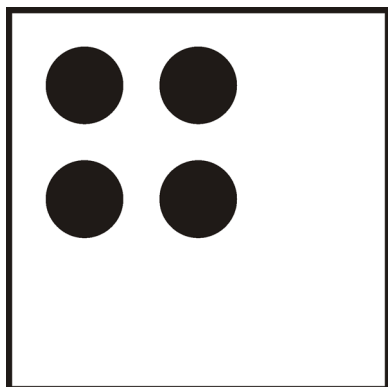
Sam

Ben

Sita

Kemi

Practice question

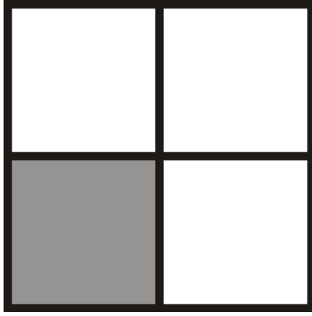


- 1. Monday**
Friday
Wednesday
Saturday
-

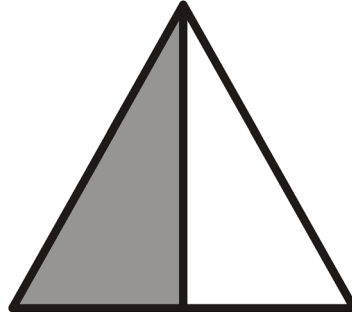
- 2. 52 57**
-

3.

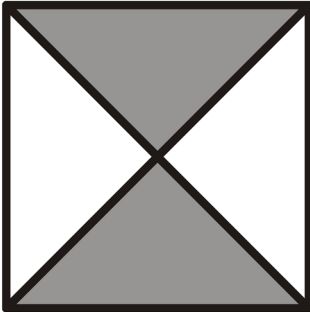
P



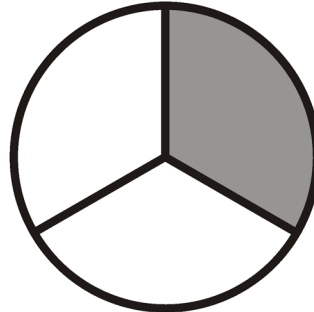
Q



R



S



4. $12 = \square \times 6$

5. **96**

6. Look at the list of three shapes below.

Square

Octagon

Circle

Write the shape that has 8 vertices.

Write the shape that has 4 right angles.

Write the shape that has no vertices.

7. Look at the two signs below.

+ **-**

Choose a sign to make each calculation correct.

Write the sign in the box.

One is done for you.

$$4 \quad \boxed{+} \quad 1 = 5$$

$$23 \quad \boxed{} \quad 1 = 22$$

$$40 \quad \boxed{} \quad 1 = 39$$

$$19 \quad \boxed{} \quad 1 = 20$$

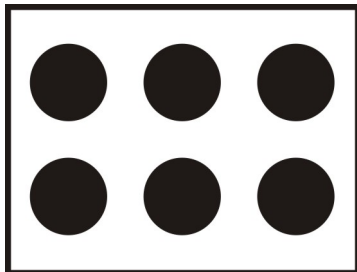
8. Look at the five numbers below.

6 5 4 1 2

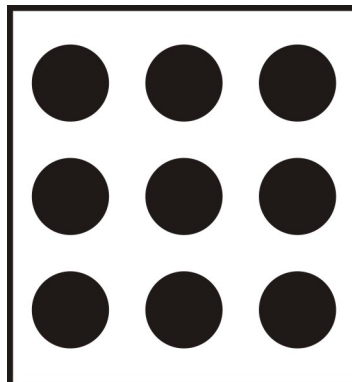
Write three numbers from the list that add up to 13

9. Look at the three arrays below.
They are labelled **P** **Q** and **R**

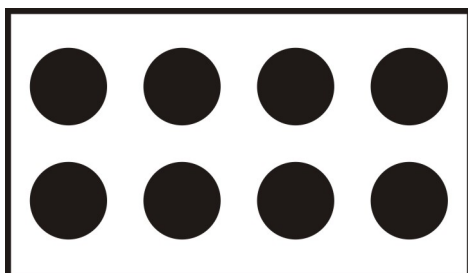
P



Q



R



Write the letter to match each multiplication below.
Choose your answers from the list.

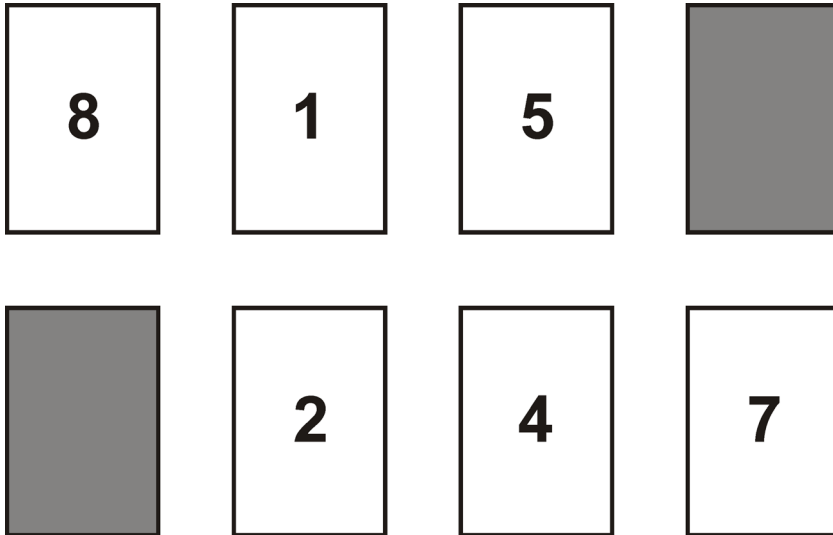
$$4 \times 2 = \underline{\hspace{2cm}}$$

$$3 \times 3 = \underline{\hspace{2cm}}$$

$$3 \times 2 = \underline{\hspace{2cm}}$$

10. Sam has cards that are numbered 1 to 8

Sam turns over two of the cards.



Which two cards has Sam turned over?

Write the numbers on the cards below.

Two empty rectangular boxes are provided for the student to write the numbers of the two cards that were turned over.

11. $\frac{1}{2}$ of 8 = 4

Complete the number sentence below.

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

Write the missing number in the box.

12. Look at the sequence below.

16 14 12 _____

Write the next three numbers in the spaces.

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

Write numbers to complete the pairs.

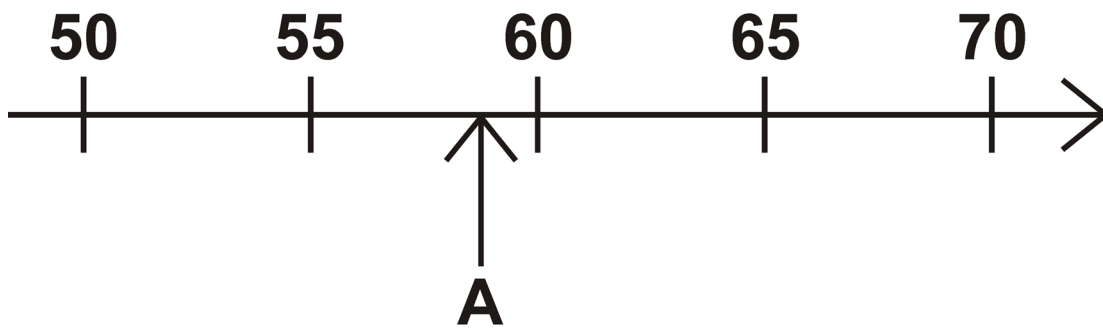
One is done for you.

50	20
----	----

10	
----	--

	30
--	----

14. Look at the number line below.



Write the number shown by arrow **A**

15. Amy has **50 p**

She buys a pencil for **30 p**

Look at the four sets of coins below.

They are labelled **P Q R S**

P **5 p** **5 p** **5 p**

Q **20 p** **5 p**

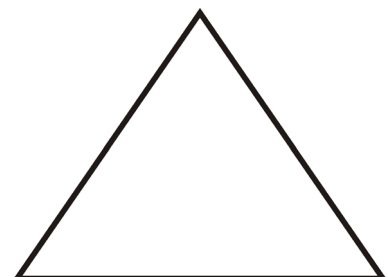
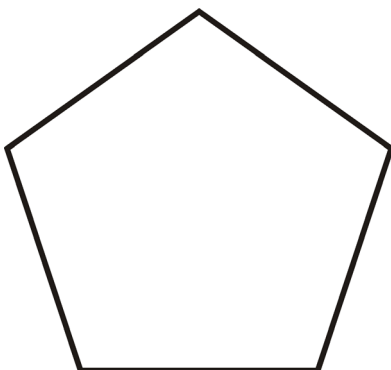
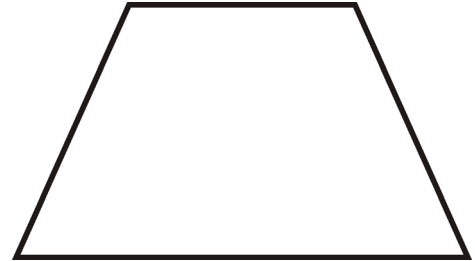
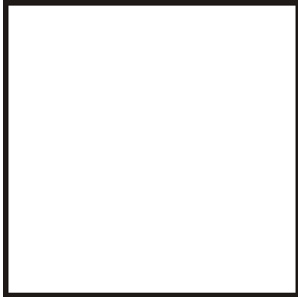
R **5 p** **10 p** **10 p**

S **10 p** **5 p** **5 p**

Write the letter of the set of coins that shows how much money Amy has left.

16. You have a model of a prism for this question.

Look at the five shapes below.



Tick or mark all the shapes that are faces on the prism.

17. Look at the three times below.

They are labelled **P Q R**

P 03:45

Q 04:15

R 04:25

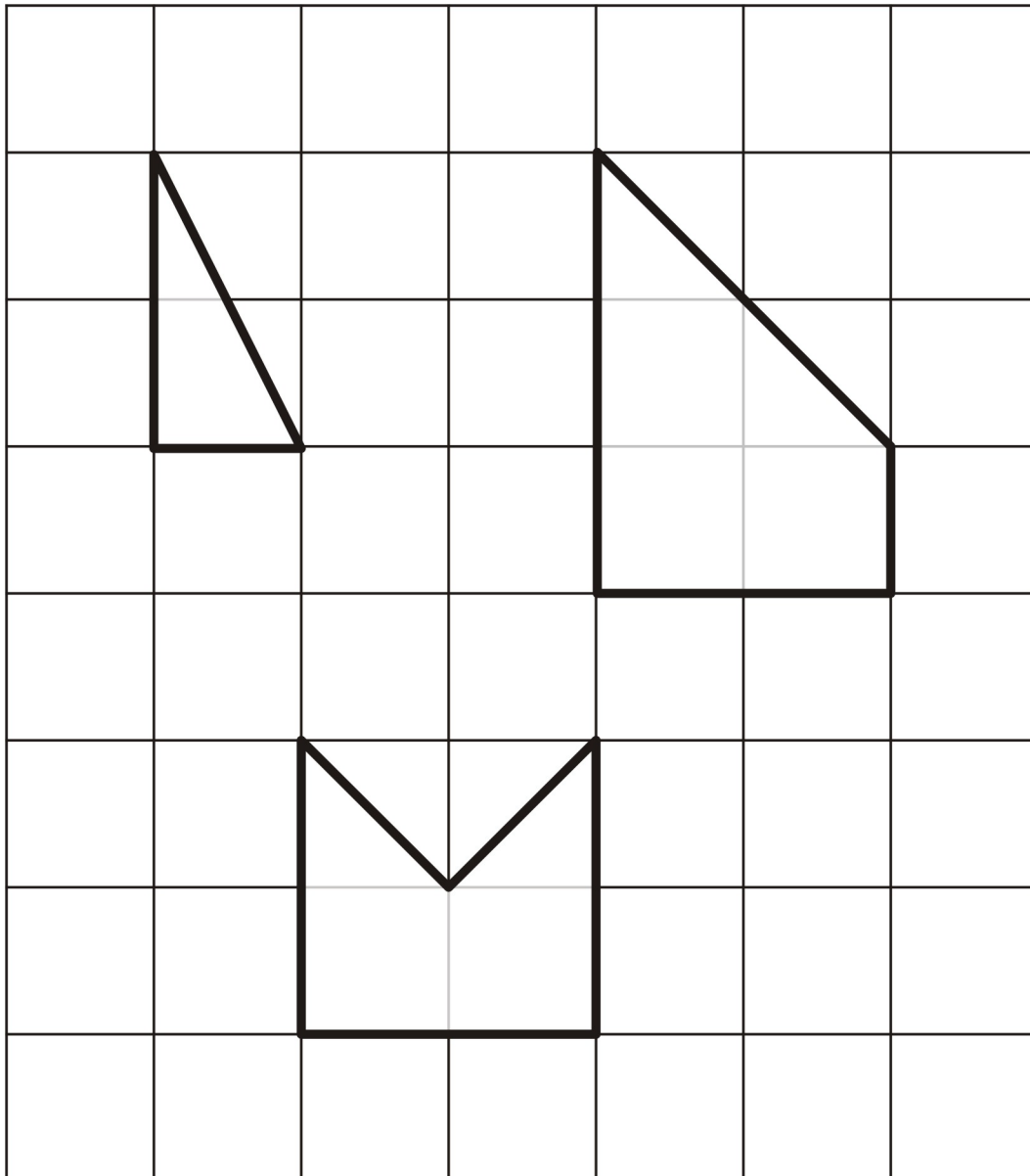
Write the letter of the time that matches each of the three times below.

a) twenty-five past four _____

b) quarter to four _____

c) quarter past four _____

18. Look at the three shapes on the grid below.



Tick or mark the shape that has a line of symmetry.

19. Look at the pattern of number sentences below.

$$1 + 2 + 3 = 6$$

$$2 + 3 + 4 = 9$$

$$3 + 4 + 5 = 12$$

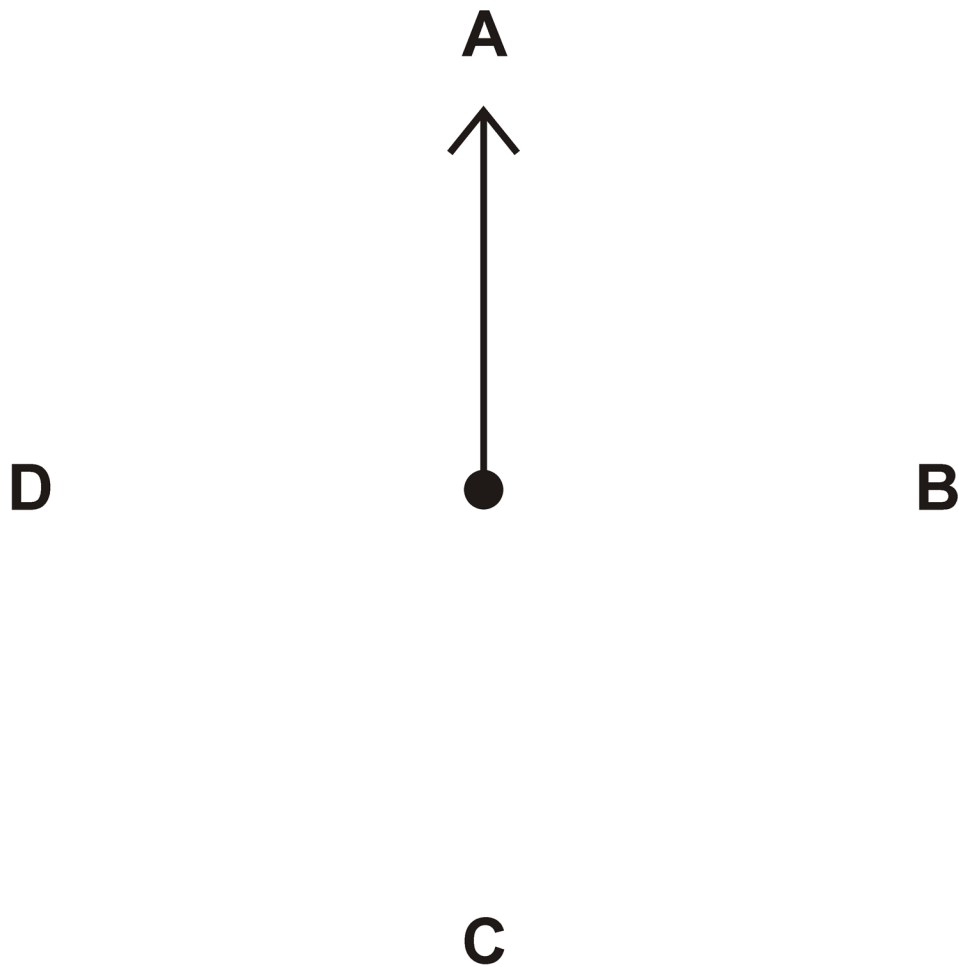
$$4 + 5 + 6 = 15$$

Write the next number sentence in the pattern.

$$\boxed{} + \boxed{} + \boxed{} = \boxed{}$$

Write a number in each box.

20. Look at the diagram below.



The arrow is pointing to **A**

The arrow turns a half turn.

Write the letter the arrow is pointing to after the half turn.

21. Sam has four number cards.

They are shown below.

10

20

30

40

Use three of his cards to make the following correct.

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

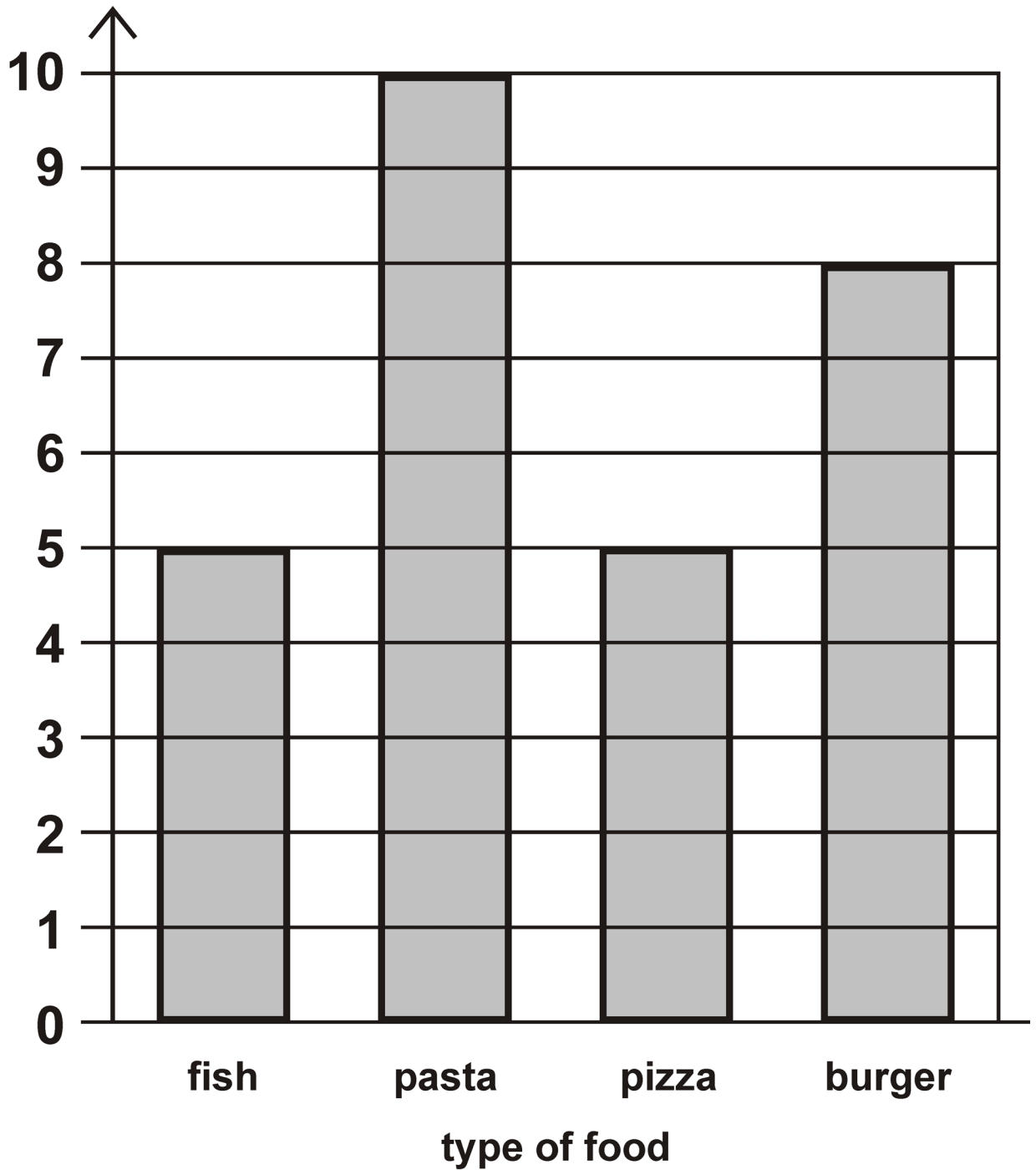
$$\boxed{54} - \boxed{} = \boxed{34}$$

$$\boxed{} + \boxed{88} = \boxed{98}$$

22. Look at the chart below.

It shows what class 2 ate for lunch today.

number of children



Fewer children ate pizza than burger.

How many fewer?

_____ children

23. Ben has five marbles.

Kemi has seven times that number.

How many marbles does Kemi have?

_____ marbles

24. Sam plays a maths game.

He uses  and  to represent numbers.

Each  is equal to **2** points.

$$\text{circle} + \text{triangle} + \text{triangle} = 10 \text{ points}$$

How many points is one  equal to?

_____ points

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

p	p	p	p	p
---	---	---	---	---

Write your answer in the boxes.

26. Ajay has **30** pencils.

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

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

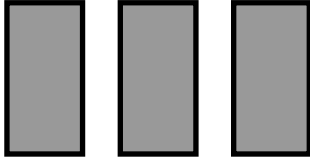
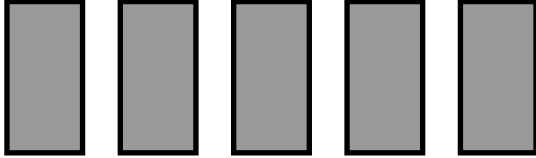
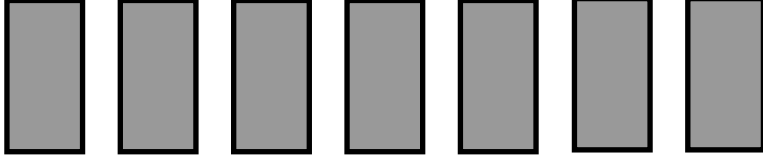
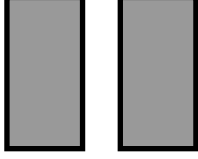
$$\boxed{} \div \boxed{} = \boxed{}$$

Write a number in each box.

27. Some children make a chart of how many books they read in a week.

Look at the chart below.

Key:  stands for **1** book

Ben	
Kemi	
Ajay	
Sita	

Which children read fewer than **4** books?

Write their names.

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

$$\begin{array}{|c|c|} \hline 1 & \square \\ \hline \end{array} + \begin{array}{|c|c|} \hline \square & 3 \\ \hline \end{array} = \begin{array}{|c|c|} \hline 2 & 9 \\ \hline \end{array}$$

29. There are **100 g** of chocolate chips in the bag.

Sita uses **25 g**

Ben uses **35 g**

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

Show your working.

_____ **g**

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

31. Ben has **63** beads.

He gives **37** beads away.

How many beads does Ben have left?

_____ beads

32. Ben has 90 p

He buys 2 tickets.

Each ticket costs 35 p

How much money does Ben have left?

Show your working.

_____ p

END OF TEST

Total marks	
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2019 key stage 1 mathematics

Paper 2: reasoning

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