

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

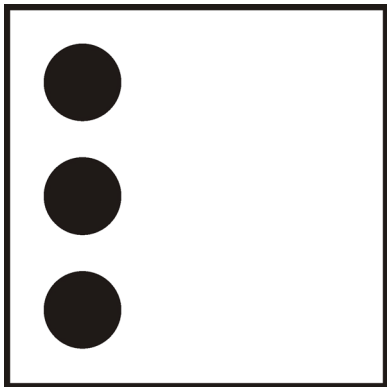
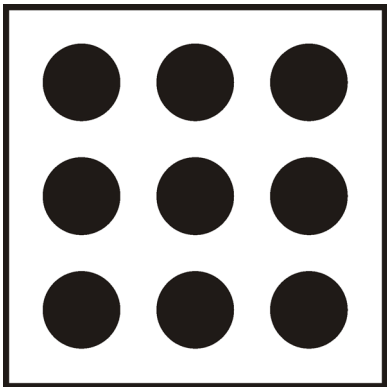
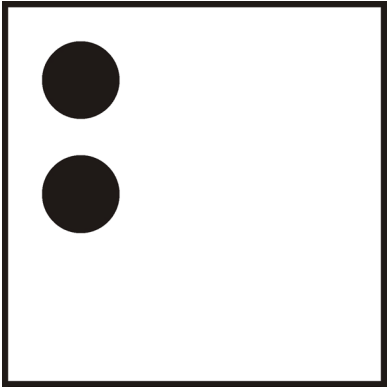
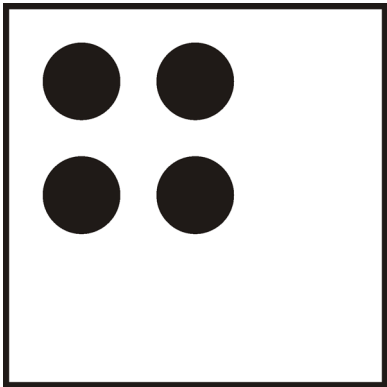
Sam

Ben

Sita

Kemi

Practice question

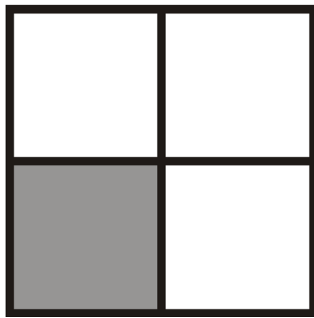


1. **Monday**
Friday
Wednesday
Saturday
-

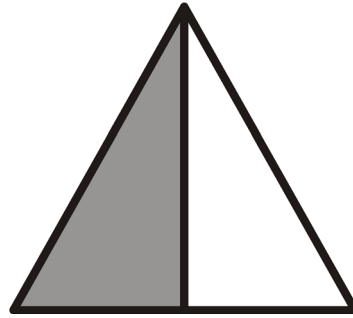
2. **52** **57**
-

3.

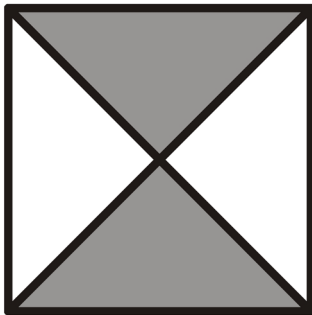
P



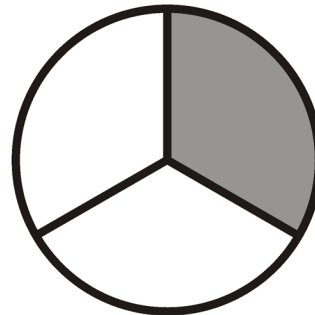
Q



R



S



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

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.

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

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

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

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

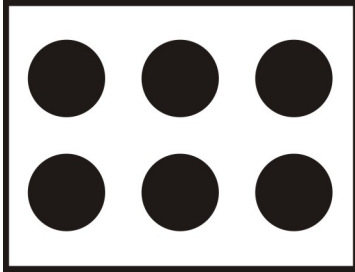
8. Look at the five numbers below.

6 5 4 1 2

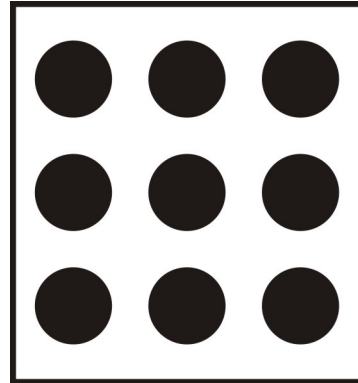
Write three numbers from the list that add up to 13

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

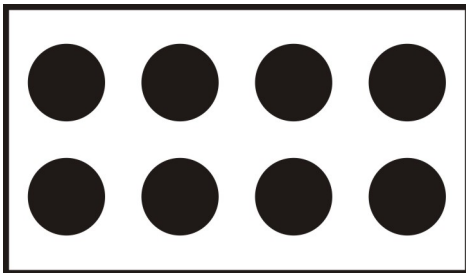
P



Q



R



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

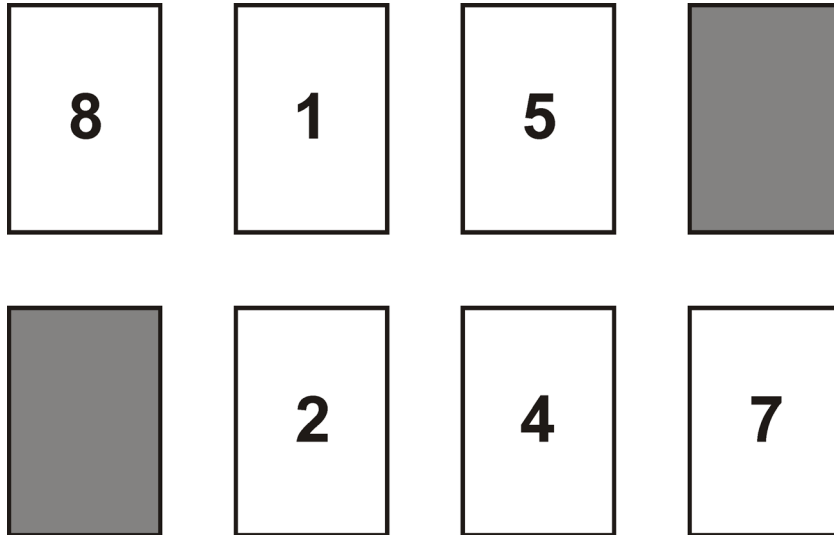
$$4 \times 2 = \underline{\hspace{2cm}}$$

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

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

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.

--	--

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

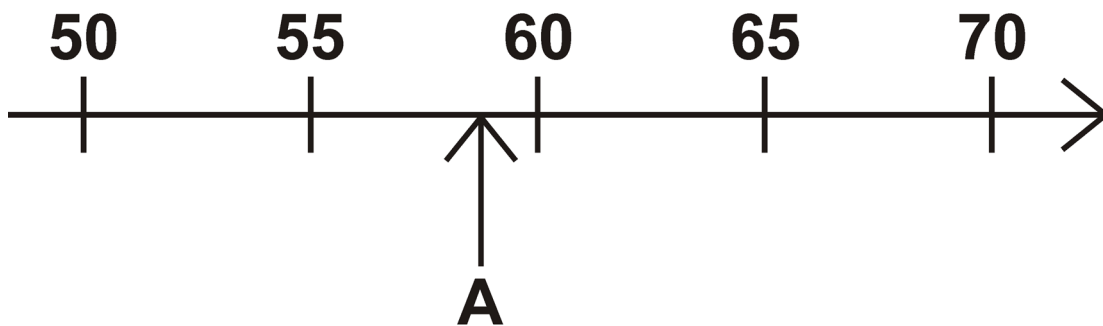
10

--

--

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 5p 5p 5p

Q 20p 5p

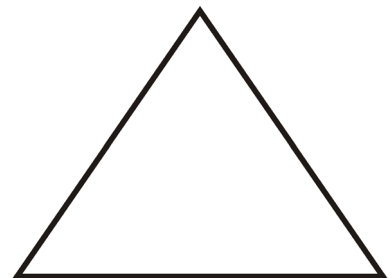
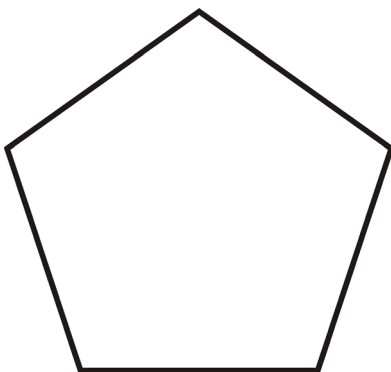
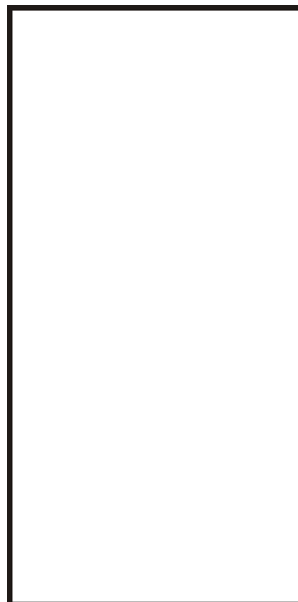
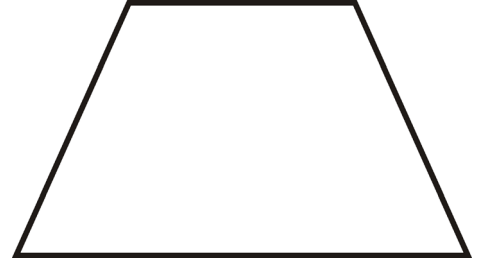
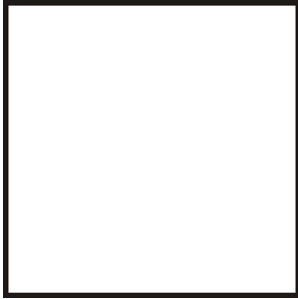
R 5p 10p 10p

S 10p 5p 5p

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

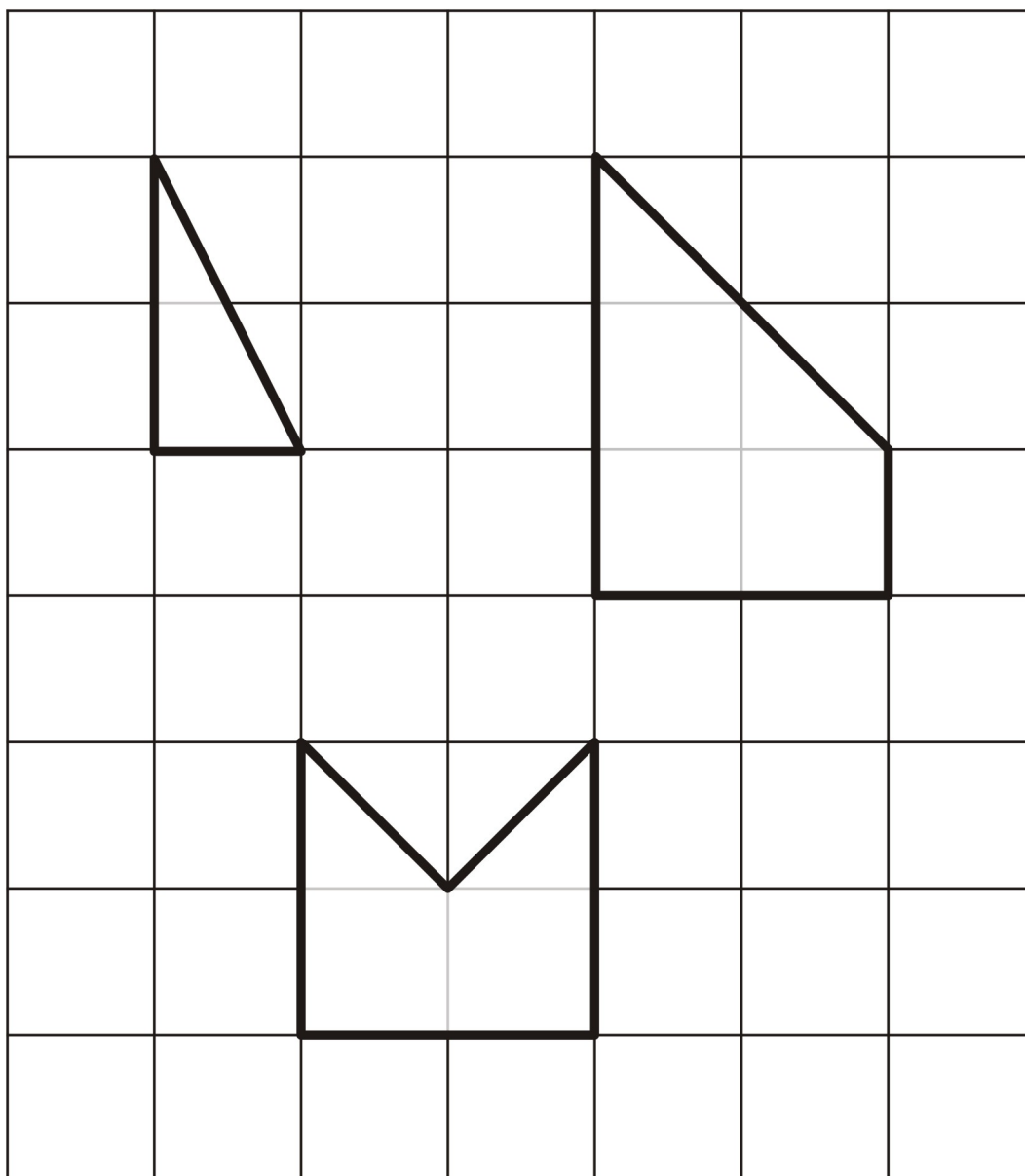
Write the letter of the time that matches each of the three times below.

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.

$$1 + 2 + 3 = 6$$

$$2 + 3 + 4 = 9$$

$$3 + 4 + 5 = 12$$

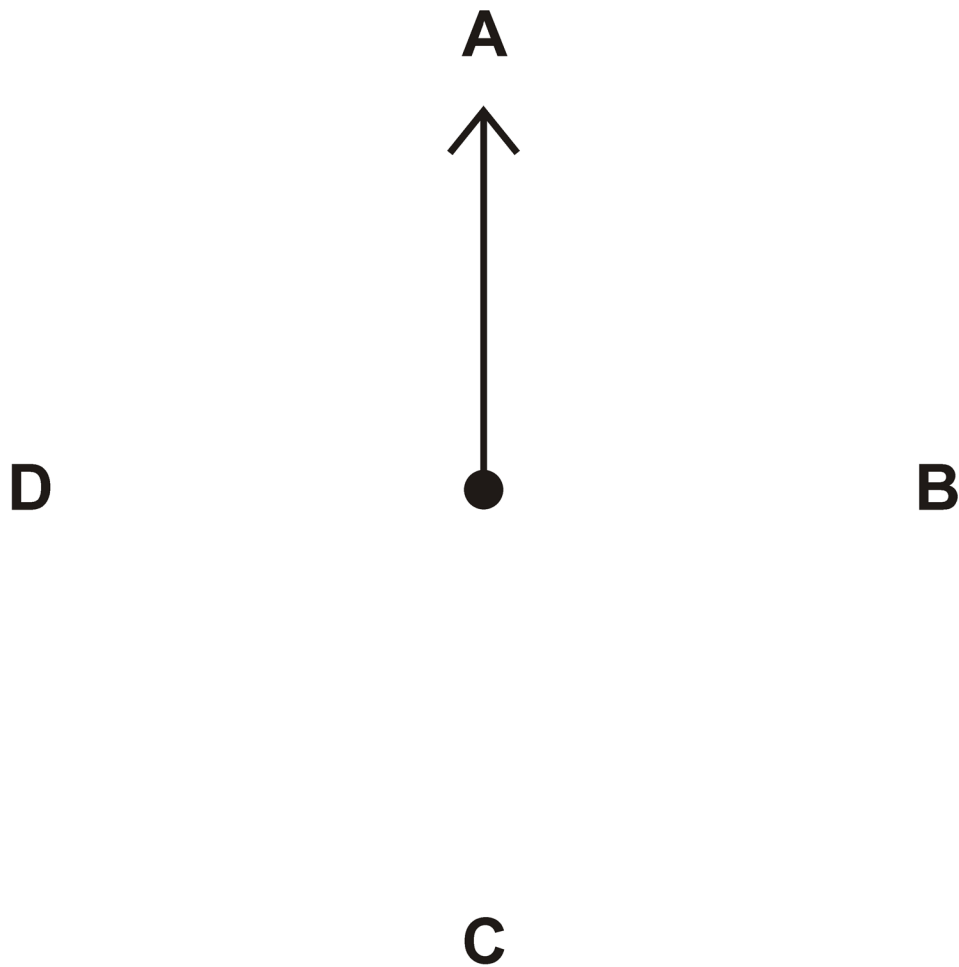
$$4 + 5 + 6 = 15$$

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.

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

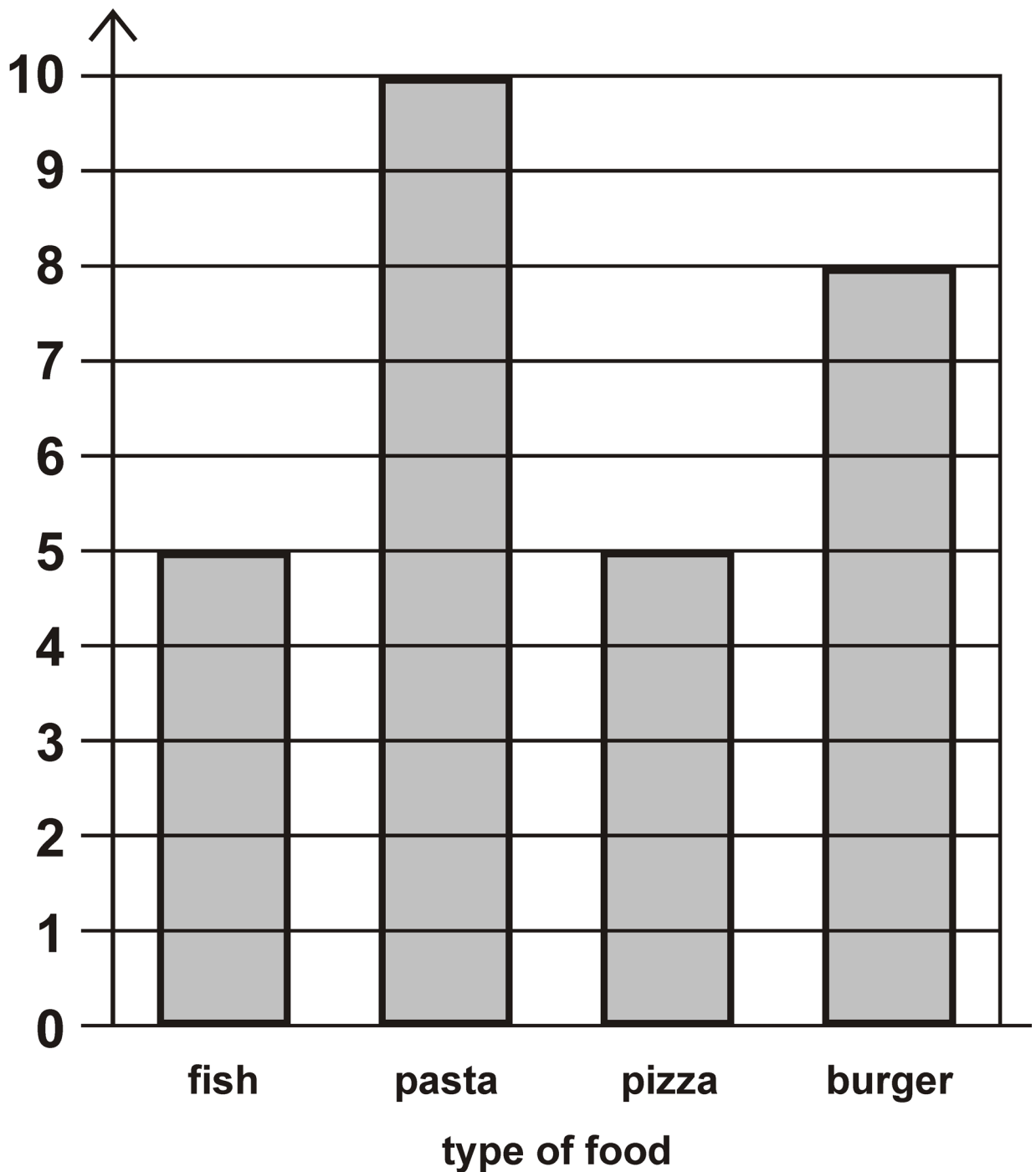
$$\boxed{54} - \boxed{} = \boxed{34}$$

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

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.

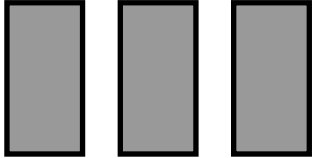
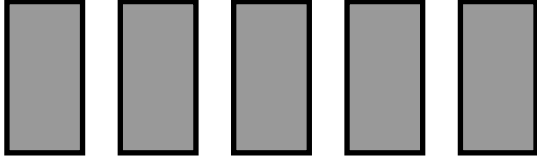
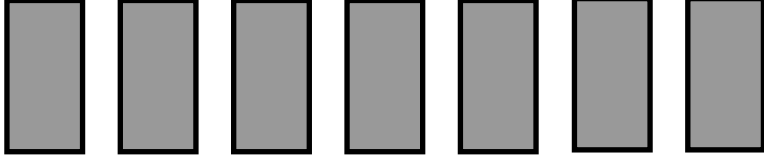
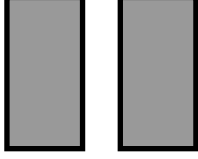
$$\boxed{} \div \boxed{} = \boxed{}$$

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.

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

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	
--------------------	--



**Standards
& Testing
Agency**

2019 key stage 1 mathematics

Paper 2: reasoning

Print version code: STA/19/8208/MLp ISBN 978-1-78957-048-9

Electronic PDF version product code STA\19\8208\MLe ISBN 978-1-78957-062-5

For more copies

Additional copies of this modified large print test paper can be ordered by contacting the STA's modified test agency on 0300 303 3019.

© Crown copyright 2019

Re-use of Crown copyright in test materials

Subject to the exceptions listed below, these test materials are Crown copyright and you may re-use them (not including logos) free of charge in any format or medium in accordance with the terms of the Open Government Licence v3.0 which can be found on the National Archives website and accessed via the following link: www.nationalarchives.gov.uk/doc/open-government-licence. When you use this information under the Open Government Licence v3.0, you should include the following attribution: 'Contains material developed by the Standards and Testing Agency for 2019 national curriculum assessments and licensed under Open Government Licence v3.0' and where possible provide a link to the licence.



Exceptions – third-party copyright content in test materials

You must obtain permission from the relevant copyright owners, as listed in the '2019 key stage 1 tests copyright report', for re-use of any third-party copyright content which we have identified in the test materials, as listed below. Alternatively, you should remove the unlicensed third-party copyright content and/or replace it with appropriately licensed material.

Third-party content

These materials contain no third-party copyright content.

If you have any queries regarding these test materials contact the national curriculum assessments helpline on 0300 303 3013 or email assessments@education.gov.uk.