2017 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.

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

They are called:
Amy
Ajay
Sam
Ben
Sita
Kemi

Practice question

2   3

_____ **footballs**

1.   Ben
      Kemi
      Sam
      Sita

_____ **p**

2. 110

1001

111

101

200

3. 63

10

_____ **bean bags**

4.

5 + 3

5 − 3

5 + 5

5 × 3

5.

A

D   ●   B

C
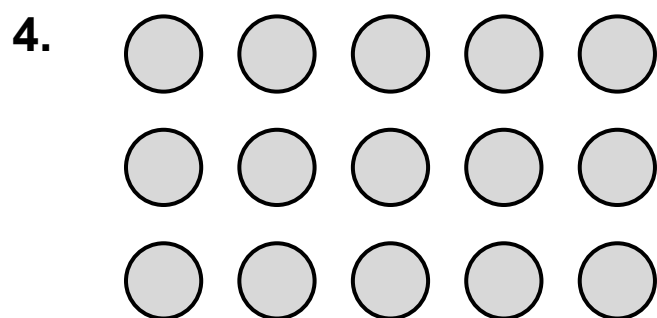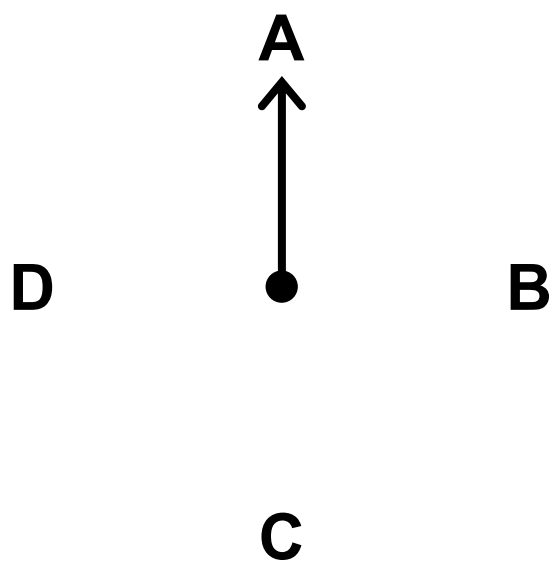
6. **Look at the five numbers below.**

73 37 76 36 63

Write these numbers in order, starting with the smallest.

_____

smallest   largest

7. **Look at the four times in the list below.**

70 minutes

10 minutes

45 minutes

1 hour

Circle the shortest time.

8. A game costs **£25**

Ben has **£19**

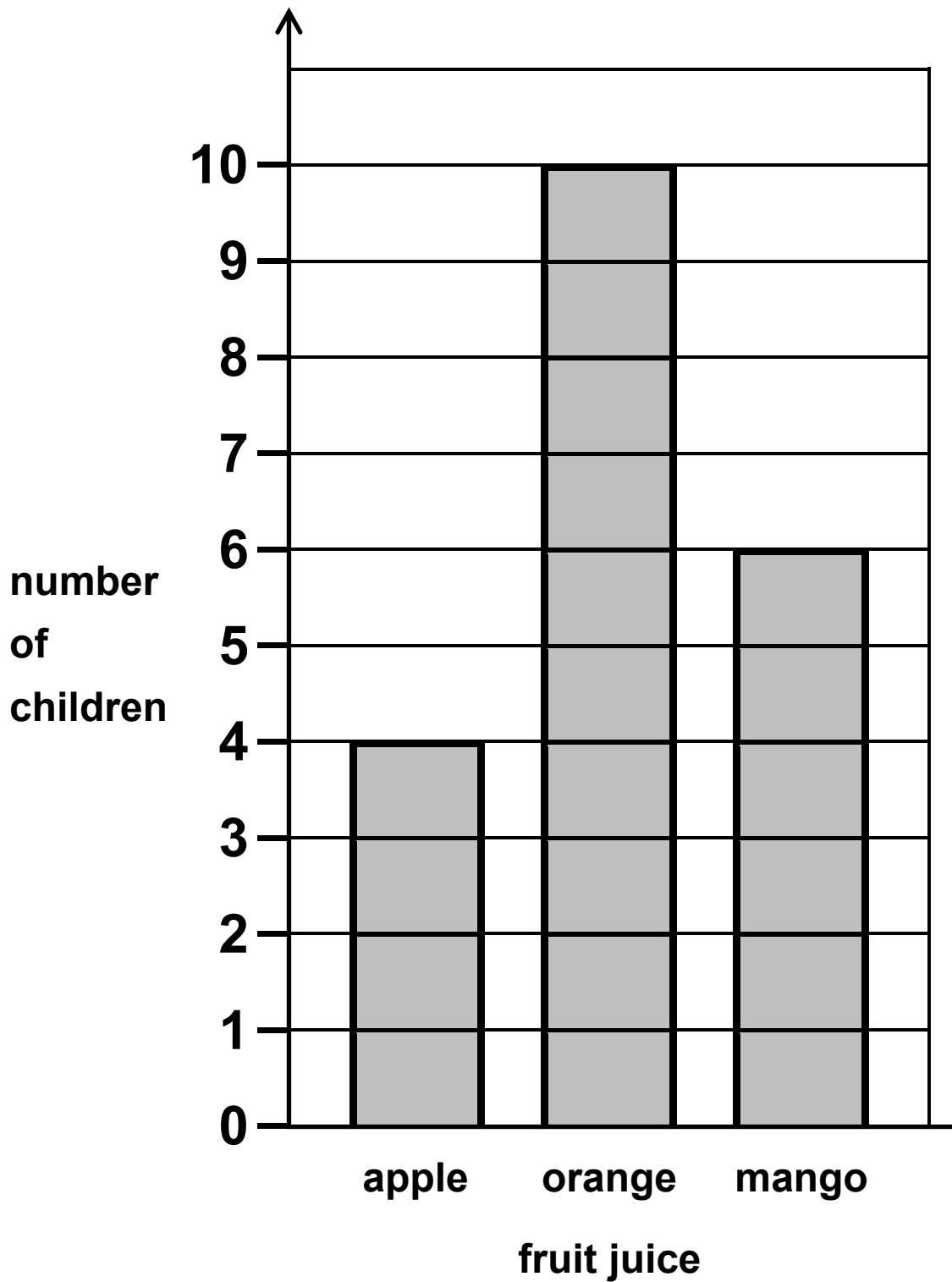How much **more** money does Ben need to buy the game?

£ _____

9. Look at the four numbers below.

73 58 64 45

Write the **two** numbers that are even.

_____

10. **20** children choose their favourite fruit juice.

The chart below shows the results.

(a) How many **more** children choose orange than apple?

_____ children

(b) Another boy joins the group.

He chooses mango juice.

How many children choose mango juice altogether?

_____ children

11. Look at the four times in the list below.

03 : 08

08 : 30

08 : 03

08 : 00

Write the time from the list that is the same as half past 8

_____

12. Measure the line below.

Use a ruler.

_____

_____ cm

13. **Look at the four numbers below.**

0 14 50 61

Write each number once to make the following correct.

	>	

	>	

14. **20 bananas are shared equally among 4 monkeys.**

How many bananas does each monkey get?

_____ **bananas**

15. **10** add **7** equals **17**

9 + ☐ **= 17**

Write the missing number in the box.

☐ **+ 6 = 17**

Write the missing number in the box.

16. **Look at the list of six coins below.**

1p   10p   50p   5p   20p   2p

What is the largest amount you can make using three of these coins?

_____ **p**

17. **Look at the list of four fractions below.**

$$\frac{1}{4} \quad \frac{1}{3} \quad \frac{2}{4} \quad \frac{3}{4}$$

Ben ate half a pizza.

Circle the fraction from the list that shows the amount he ate.

18. **Write six different numbers to make the sums below correct.**

☐ **+** ☐ **= 27**

☐ **+** ☐ **= 27**

☐ **+** ☐ **= 27**

19. Ben and Sita count cars.

Ben counts **38** red cars.

Sita counts **23** blue cars.

How many cars do they count altogether?

_____ cars

STA/17/7728/MLp

20. **Look at the number line below.**

| 20 | | 30 | | 40 |

A

B
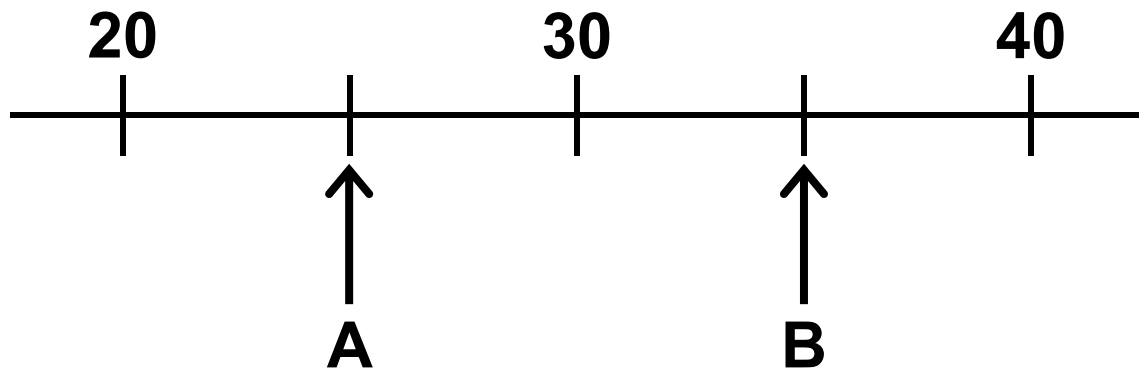
The numbers on the number line go up by the same amount each time.

Write the number shown by arrow A.

_____

Write the number shown by arrow B.

_____

21. **Ajay, Sam and Kemi have 4 conkers each.**

How many conkers do they have altogether?

_____ conkers

22. **Look at the four shapes below.**
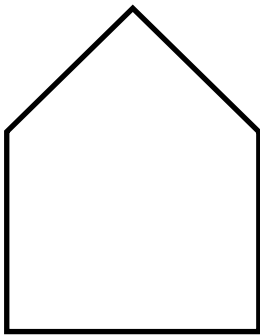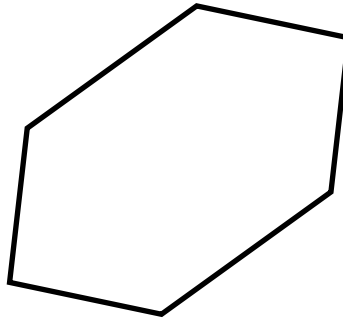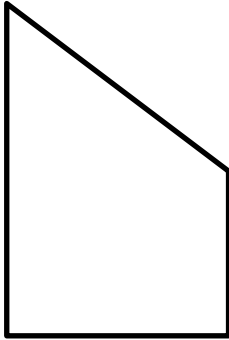
Tick the pentagon.

23. **Look at the number sentence below.**

$$9 \ + \ 7 \ - \ \boxed{} \ = \ 12$$

Write the missing number in the box to make the number sentence correct.

24. Look at the four shapes below.

They are labelled **P Q R** and **S**

Each shape is made from squares.

P

Q

R

S
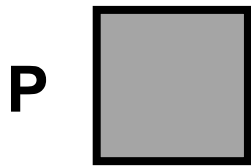
Write the letter of the shape that has

exactly $\frac{1}{3}$ shaded.

_____

25. **3 + 7 = 10**

Complete the two sums below.

Write your answers in the boxes.

33 + ⬜ = 40

⬜ + 7 = 80

26. **Look at the shape below.**

It is made from eight squares.
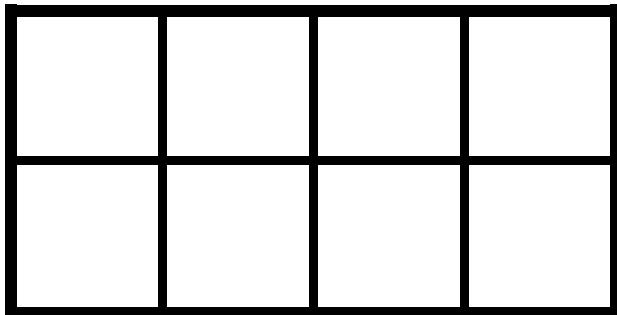
Mark one quarter of the shape.

27. Ben has **4** boxes of eggs.

There are **6** eggs in each box.

Write a number sentence using ✖ and ＝ to show that Ben has **24** eggs altogether.

_____

28. There are **55** cakes.

20 boys and **19** girls each take a cake.

How many cakes are left?

Show your working.

_____ cakes

29. You have four solid shapes for this question.

They are labelled P Q R and S

Write the letters of the two shapes that have more than 8 edges.

_____

30. There are **76** cars in a car park.

18 more cars go into the car park.

Then **35** cars go out.

How many cars are in the car park now?

Show your working.

_____ cars

31. A strawberry weighs **24** grams.

The strawberry and a tomato together weigh **69** grams.

What does the tomato weigh?

——————— g

END OF TEST

Total marks	

2017 key stage 1 mathematics
Paper 2: reasoning
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