

2018 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

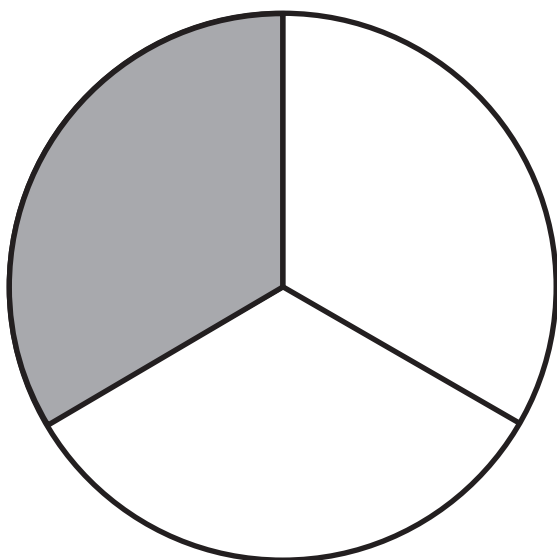
Kemi

Practice question

1. **20 2 2**

2.

3.



$$\frac{1}{2}$$

$$\frac{1}{4}$$

$$\frac{1}{3}$$

$$\frac{3}{4}$$

4. **13**

20 marbles

_____ marbles

5. $\square \times \square = 25$

6. Look at the four lines below.

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

P _____

Q _____

R _____

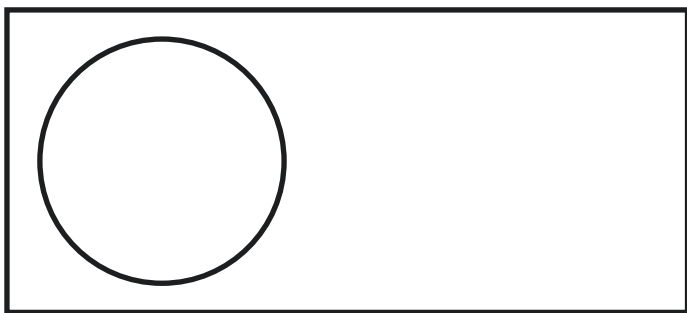
S _____

Write the letters of the lines in order of their length
from longest to shortest.

One is done for you.

_____ **S** _____
longest shortest

7.



Tick the names of the two shapes in the picture above.

Tick **two**.

triangle

☐

square

☐

rectangle

☐

circle

☐

hexagon

☐

8. Look at the shape below.

It is made from four rectangles.



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

9. Look at the diagram below.



The diagram shows some shaded circles and some unshaded circles.

Tick the third shaded circle.

10. Sita has ten bags.

Sita puts 10 balls in each bag.

How many balls are in the bags altogether?

_____ balls

11. Kemi goes to four clubs each week.

The times they last are listed below.

Swimming 45 minutes

Art 2 hours

Music 75 minutes

Drama 1 hour

Which club lasts the longest?

12. Ajay's plant was **11** centimetres tall.

It grows **7** centimetres taller.

How tall is the plant now?

_____ cm

13. Amy uses **3** tens and **4** ones to make a number.

Look at the four numbers below.

43 ☐

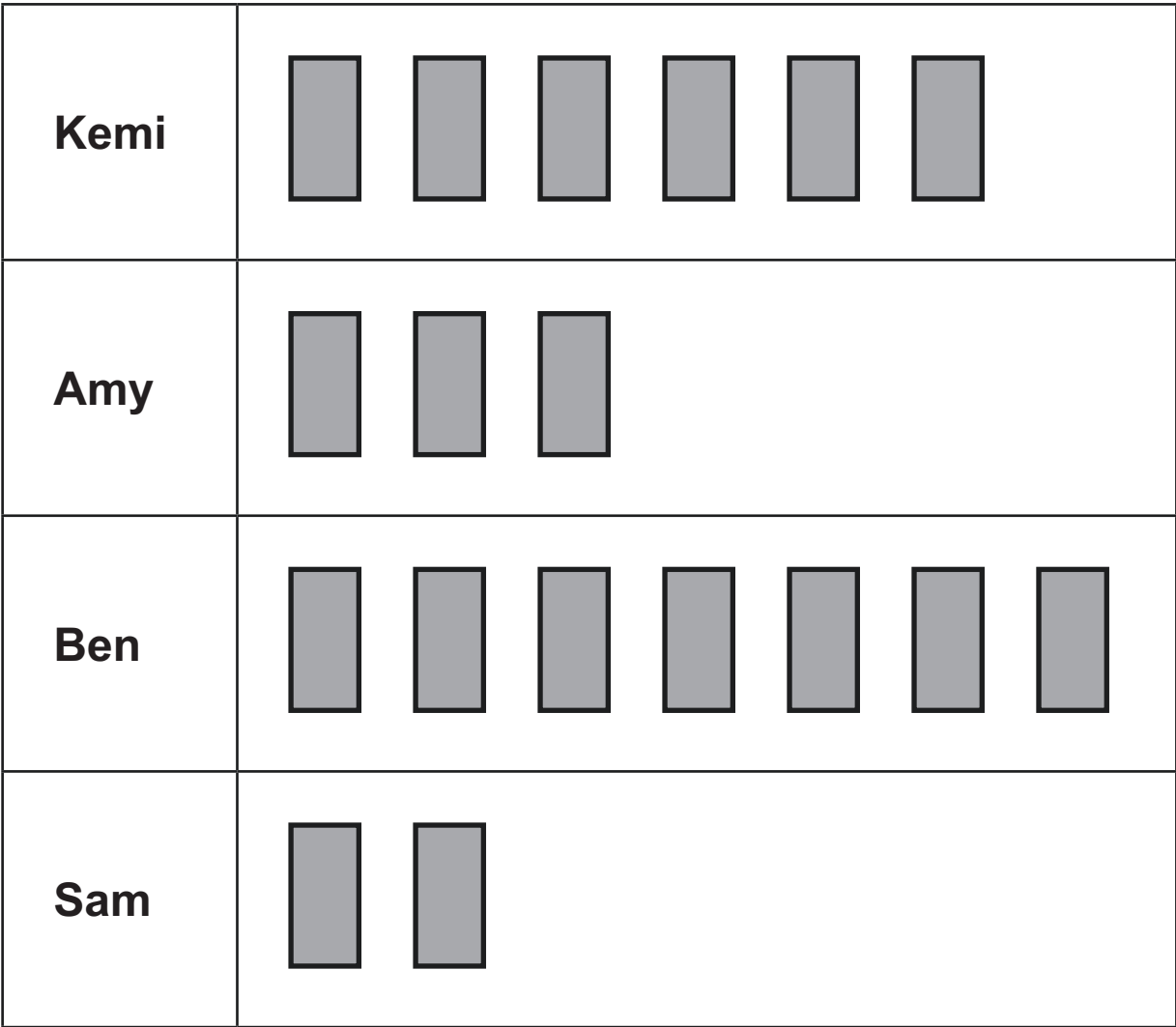
30 ☐

34 ☐

41 ☐

Tick the number Amy makes.

14. Look at the chart below. It shows the number of stickers four children have.



Kemi has more stickers than Sam.

How many more?

15. A classroom has **6** tables.

Each table has **5** children sitting at it.

Complete the number sentence below to show how many children there are altogether.

$$\boxed{} \times \boxed{} = \boxed{} \text{ children}$$

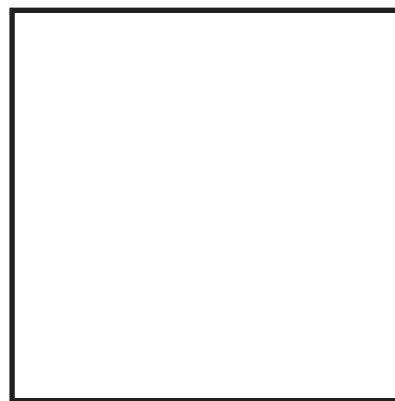
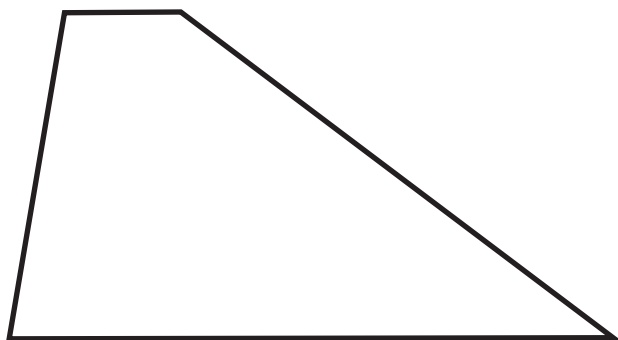
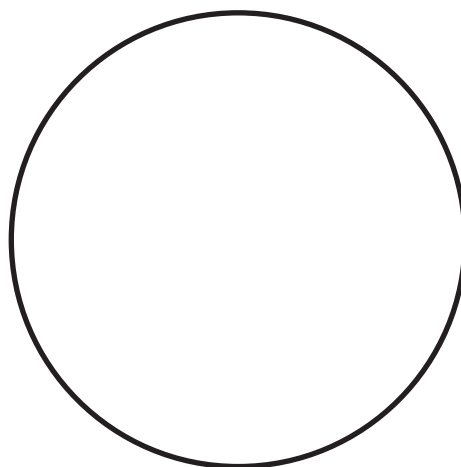
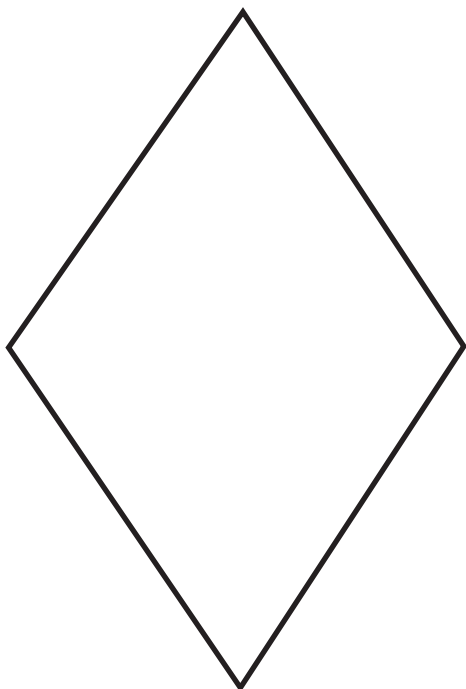
16. A shopkeeper has **20** fish and **5** fish bowls.

He puts the same number of fish in each bowl.

How many fish go in each bowl?

_____ fish

17. Look at the four shapes below.



Tick the shape that does **not** have a line of symmetry.

18. Ajay has **20p** in **2p** coins.

How many **2p** coins does Ajay have?

_____ coins

19.

5

40

8

Use only these numbers to make a different number sentence each time.

One is done for you.

5

×

8

=

40

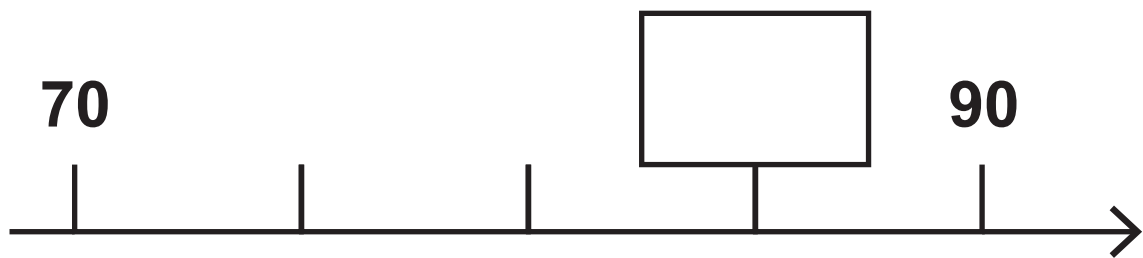
×

=

÷

=

20. Look at part of a number line below.



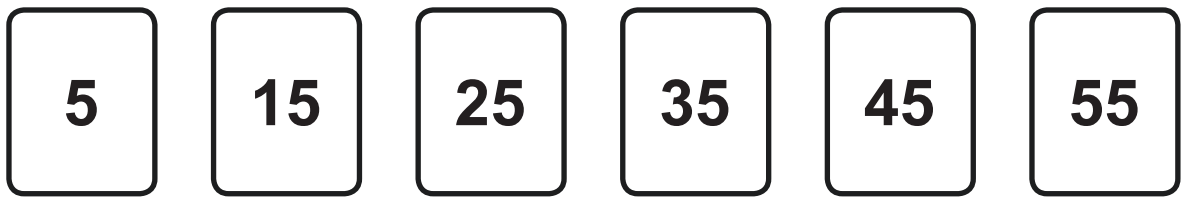
Write the correct number in the box.

21. At an airport, one plane lands every minute.

How many planes land in **1** hour?

_____ planes

22. Look at the six number cards below.



Use four of these number cards to complete the two number sentences below.

$$\boxed{} + \boxed{} = \boxed{60}$$

$$\boxed{} + \boxed{} = \boxed{60}$$

23. Look at the list of six coins below.

5p 10p 10p 10p 20p 20p

Sam has 55p

Ben has 10p less than Sam.

Write the coins that Ben has.

Choose your answer from the list of coins.

24. Biscuits cost 20p each.

Cakes cost 25p each.

Sam buys 3 biscuits and 1 cake.

How much does Sam spend altogether?

Show your working.

_____ p

25. Amy buys one pear for 35p

She pays with a 50p coin.

How much change does Amy get?

_____ p

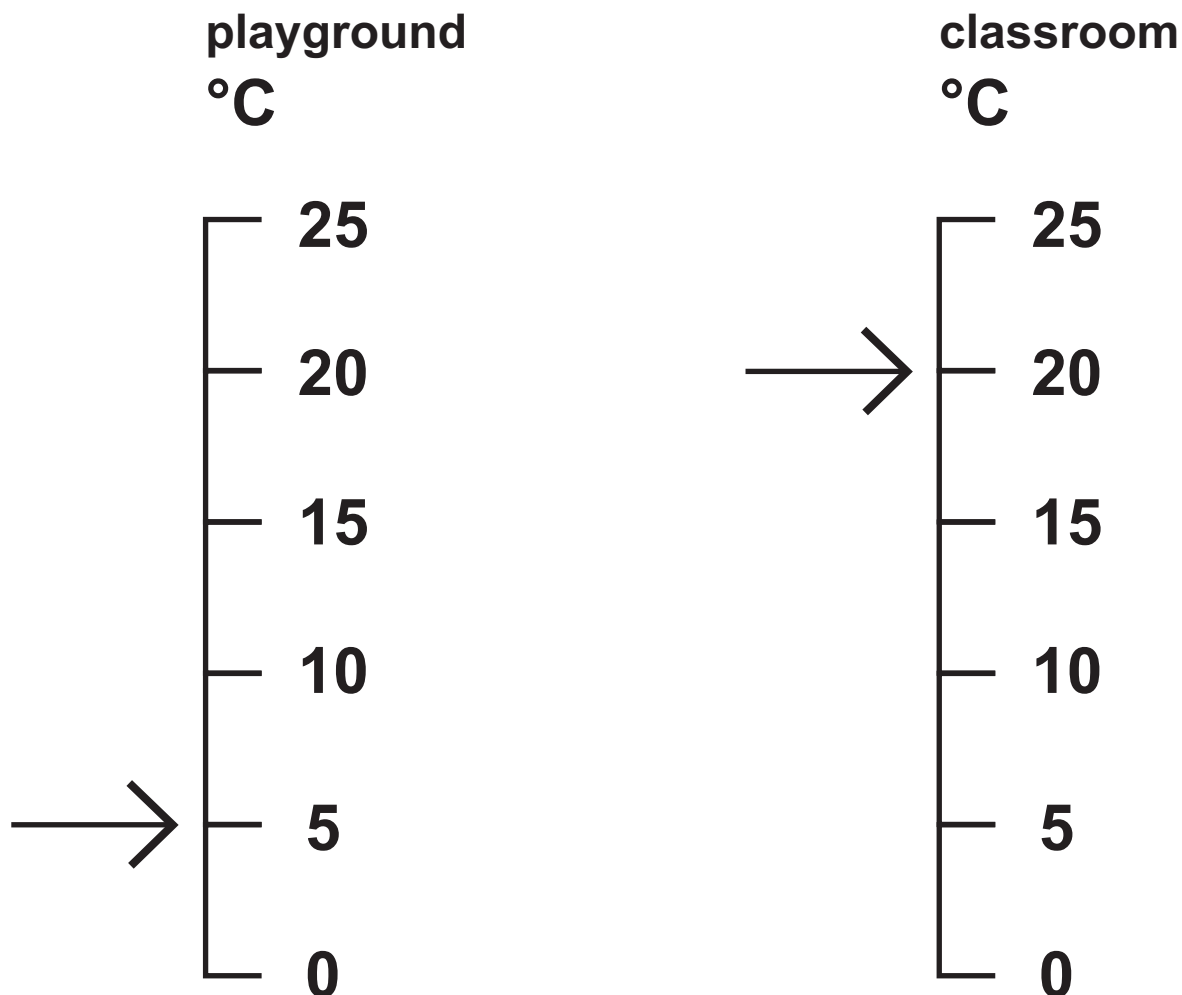
26. Look at the number pattern below.

5 10 15 — 25 30 —

Write the two missing numbers.

27. Look at the two scales below.

They measure temperature.



The temperature on the playground is lower than the temperature in the classroom.

How much lower?

_____ °C

28. Write the **same** number in both boxes to make the sum below correct.

$$\square + \square = 26$$

29. a) Look at the line below.

How long is the line?

Use your ruler.



_____ cm

b) Look at the line below.

How long is the line?

Use your ruler.



_____ **cm**

30. Ben has **7** bags of grapes.

Each bag has **10** grapes.

Ben gives **25** grapes to his friends.

How many grapes does he have left?

Show your working.

_____ grapes

31. Write the missing number in the box below.

$$13 + 6 = 10 + \boxed{}$$

32. Write two numbers in the boxes that are greater than **20 to make the subtraction below correct.**

$$\boxed{} - \boxed{} = 2$$

End of test

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Total marks	
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**Standards
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2018 key stage 1 mathematics

Paper 2: reasoning

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