

# 2018 national curriculum tests

## Key stage 1

# MATHEMATICS

## Modified large print

## Paper 2: reasoning

**First name**

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**Middle name**

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**Last name**

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**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

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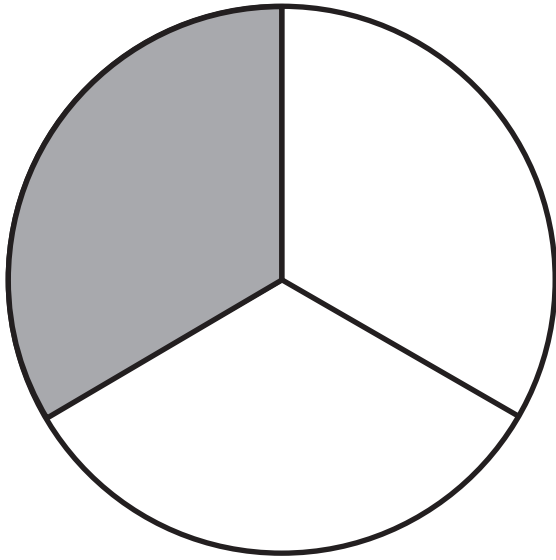
1. 20 2 2

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2.

---

3.



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

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

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

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

4. **13**

**20** marbles

\_\_\_\_\_ marbles

5.  ×  = **25**

6. Look at the four lines below.

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

**P** \_\_\_\_\_

**Q** \_\_\_\_\_

**R** \_\_\_\_\_

**S** \_\_\_\_\_

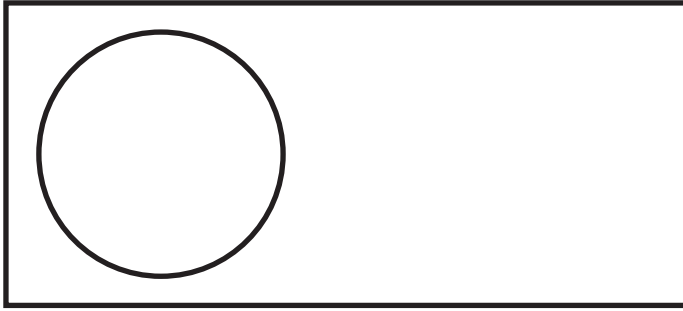
Write the letters of the lines in order of their length from longest to shortest.

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?**

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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**

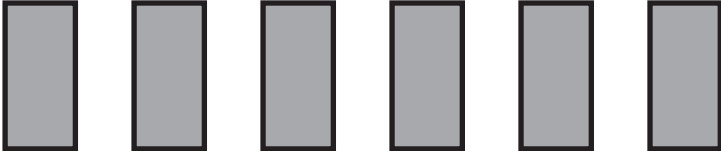
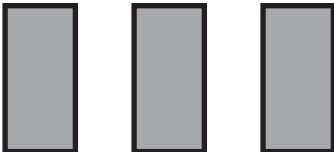
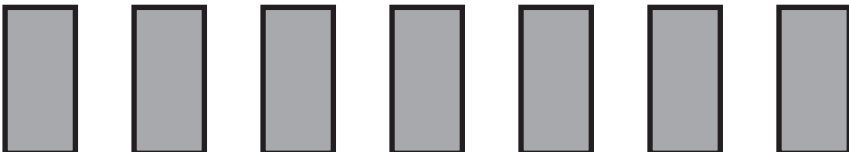
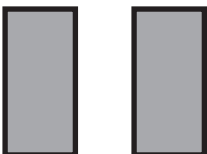
**30**

**34**

**41**

Tick the number Amy makes.

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

Kemi	
Amy	
Ben	
Sam	

**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.

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

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

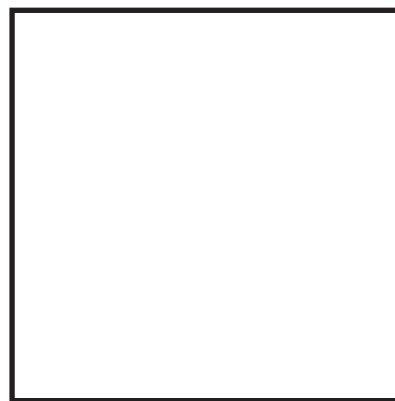
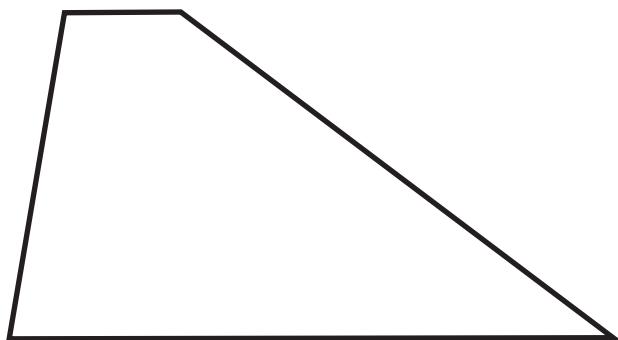
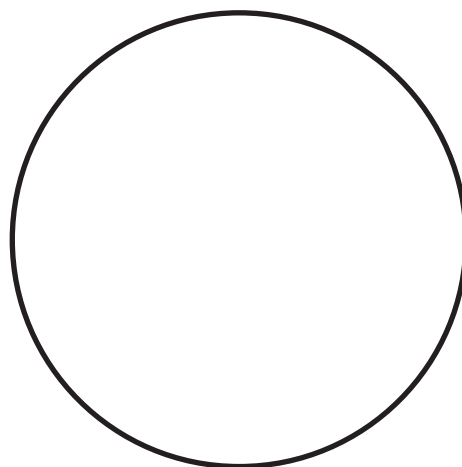
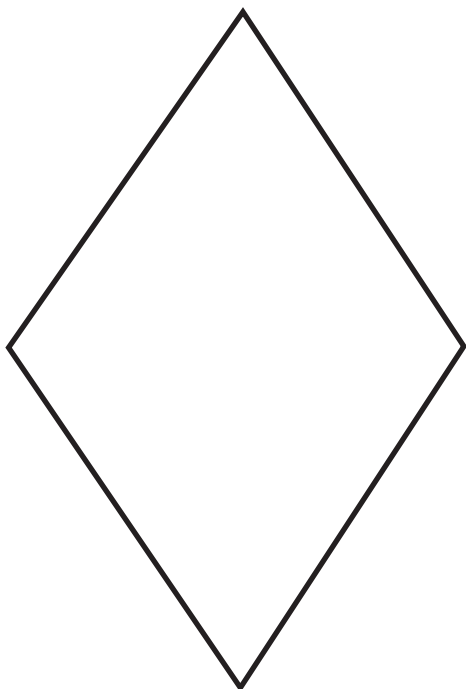
He puts the same number of fish in each bowl.

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

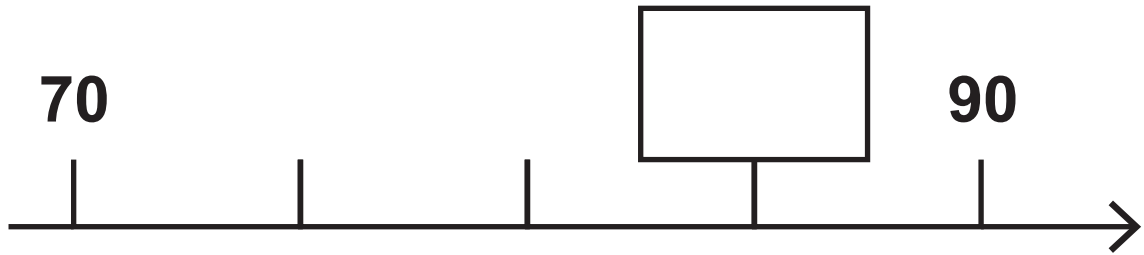
×

=

÷

=

20. Look at part of a number line below.



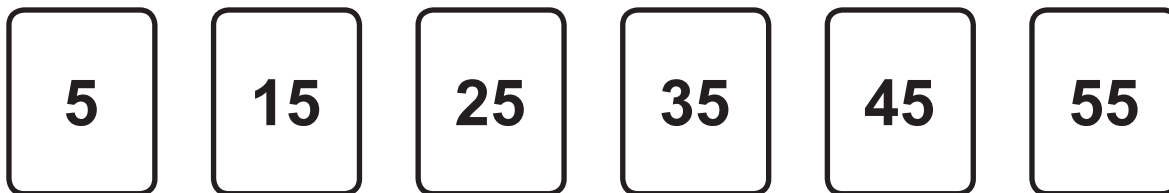
Write the correct number in the box.

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.

$$\square + \square = \square 60$$

$$\square + \square = \square 60$$

**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.**

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**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 \_\_\_**

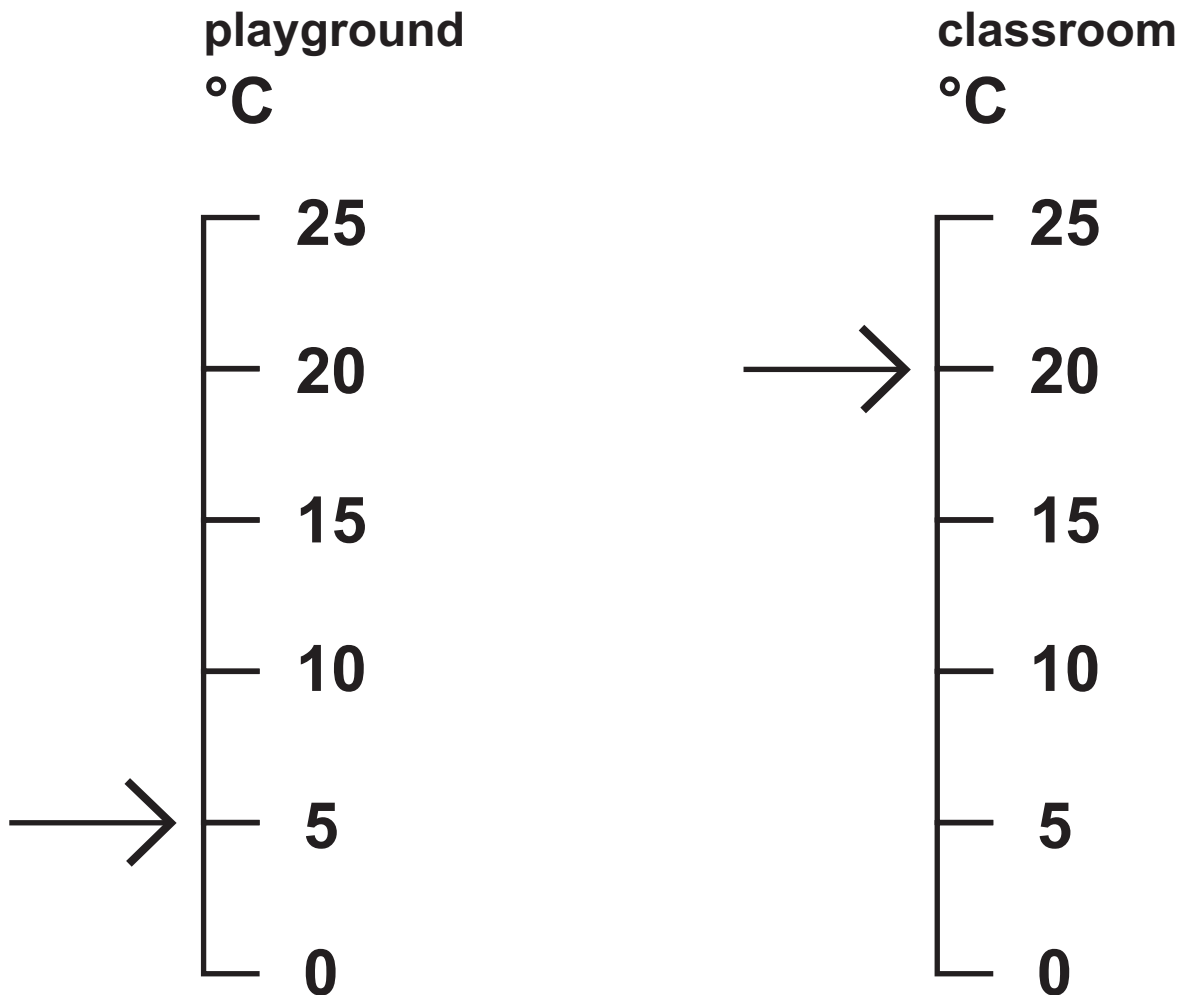
**Write the two missing numbers.**

\_\_\_\_\_



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.

$$13 + 6 = 10 + \square$$

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

$$\square - \square = 2$$

End of test

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<b>Total marks</b>	
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2018 key stage 1 mathematics

Paper 2: reasoning

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