

**2024 national curriculum tests**

# **Key stage 1**

## **Mathematics braille transcript**

**Braille transcript for Paper 2: reasoning**



**Standards  
& Testing  
Agency**

**[braille page 1]**

In this booklet, \_\_\_\_ indicates a missing number or a missing sign.

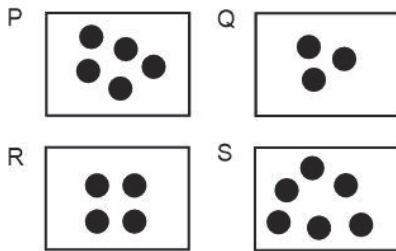
In this booklet you will read the names of six children.

They are called:

Ajay  
Amy  
Ben  
Kemi  
Sam  
Sita

**[braille page 2]**

Practice question

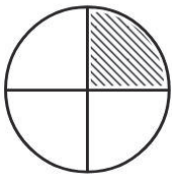
**[braille page 3]**

1. 38  
\_\_\_\_ tens

2. Monday  
Thursday  
Saturday  
Sunday

**[braille page 4]**

3.

**[braille page 5]**

4. Amy 8 metres  
Sam 3 metres  
\_\_\_\_ metres

5. 2 4 5 6 7

### Test administration guidance

Please refer to *Administering the braille version of the key stage 1 mathematics Paper 2: reasoning* for details of instructions to read out to pupils at the start of the test. This is the script for the practice question and questions 1 – 5.

#### Practice

Look at the practice question.

**Look at the four boxes.(pause)**

**They are labelled P Q R S**

**Write the letter of the box with the FEWEST number of counters.**

1. Turn to the next page.  
**How many TENS are in the number THIRTY-EIGHT?**  
Write your answer.
2. Look at question 2.  
Look at the days. (pause)  
I will read them to you.  
Monday, Thursday, Saturday, Sunday.  
Write the NEXT day after Friday.
3. Turn to the next page.  
Look at question 3.  
**Look at the circle. (pause)**  
**What FRACTION of the circle is shaded?**  
Write the fraction.
4. Turn to the next page.  
**Amy and Sam are throwing balls.**  
**Amy throws her ball EIGHT metres.**  
**Sam throws his ball THREE metres.**  
**How much FURTHER did Amy's ball go than Sam's?**  
Write your answer.
5. **Look at the numbers.**  
**Write THREE of these numbers that total TWELVE.**

Stop the pupil and introduce the written section of the test.

**[braille page 6]**

6. Kemi draws around a face of a cylinder.  
Write the letter of the shape she has drawn.

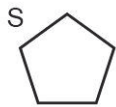
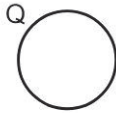
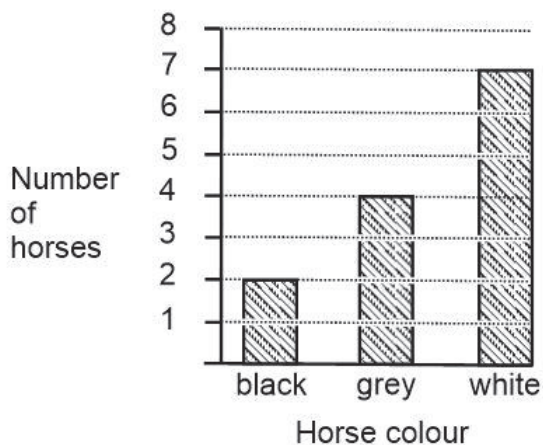
**[braille page 7, facing page 8]**

Diagram for question 7

**[braille page 8]**

7. The chart on the opposite page shows the different colours of horses on a farm.

a) How many of the horses are grey?  
\_\_\_\_\_ horses

b) Another white horse joins the farm.  
How many white horses are now on the farm?  
\_\_\_\_\_ white horses

8. There are 16 ducks on the pond.  
5 ducks fly away.  
How many ducks stay on the pond?  
\_\_\_\_\_ ducks

**Test administration guidance**

6. Make sure the pupil finds the four shapes below.
7. Make sure the pupil finds the chart on the opposite page.

There is no specific guidance for question 8.

**[braille page 9]**

9. Write the three missing numbers in this pattern.

\_\_\_\_ 71 \_\_\_\_ 73 74

**[braille page 10, facing page 11]**

Diagram for question 10

**[braille page 11]**

10. Look at the shape pattern on the opposite page. The pattern continues in this way.  
Four more sets of shapes are labelled P Q R and S.  
Write the letter of the set of shapes that would be next in the pattern.

11. Sam has 90 marbles.  
He gives 50 marbles to Ben.  
How many marbles does Sam have left?  
\_\_\_\_ marbles

**[braille page 12]**

12. Look at the list of three coins below.  
2p 5p 1p  
The 5p coin has the greatest value.  
Now look at the two lists of three coins below.

a) £1 1p 10p  
The \_\_\_\_ coin has the greatest value.

b) 50p £2 20p  
The \_\_\_\_ coin has the greatest value.

**Test administration guidance**

9. Make sure the pupil writes the numbers in the correct order on their braille paper.
10. Make sure the pupil finds the four shapes on the opposite page and the four shapes below.

There is no specific guidance for question 11.

12. Encourage the pupil to braille a before the answer to part a and b before the answer to part b.

13. Write three numbers to make this number sentence correct.

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = 14$$

**[braille page 13]**

14. Write the letters of the two purses with the same amount of money.

Purse P 2p 10p 1p

Purse Q 2p 10p

Purse R 5p 5p 2p

Purse S 5p 2p 2p 1p

15. Ajay has 6 bags.  
He puts 10 marbles in each bag. He has 8 marbles left over.  
How many marbles does Ajay have altogether?  
\_\_\_\_\_ marbles

16. Complete the number sentence below.

$$5 \times \underline{\quad} = 5$$

**[braille page 14]**

17. Ajay had 18 apples.  
He picked some more.  
Ajay now has 24 apples.  
How many more apples did he pick?  
\_\_\_\_\_ apples

18. Look at the four calculations below. They are labelled P Q R and S.  
Write the letter of the only calculation that does not equal 17

P  $9 + 8$

Q  $8 + 9$

R  $20 - 3$

S  $3 - 20$

**[braille page 15]**

19. There are 8 cars.  
There are 5 seats in each car.  
Complete the number sentence below to show the total number of seats in the cars.  
\_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_ seats

20. This question is about number bonds to 20  
Write the missing numbers. One is done for you.

$$6 + 14 = 20$$

a)  $9 + \underline{\quad} = 20$

b)  $12 + \underline{\quad} = 20$



**Test administration guidance**

There is no specific guidance for questions 13, 15, 16, 17, 18, or 19.

14. Ensure the pupil writes two letters.
20. Encourage the pupil to braille a before the answer the part a and b before the answer to part b.

**[braille page 16]**

21. This number pattern increases by 10 each time.

7 17 27 37

Write the letters of all the numbers below that will be in the pattern.

P 57

Q 66

R 75

S 97

22. Stickers are sold in packs of 5  
Kemi has 30 stickers altogether.  
How many packs does Kemi have?  
\_\_\_\_\_ packs.

**[braille page 17]**

23. Amy has 45p.

20p 20p 5p

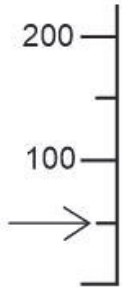
A badge costs 10p.

What is the total number of badges that Amy can buy with 45p?

\_\_\_\_\_ badges

**[braille page 18]**

24. Look at the scale below.  
What number is the arrow pointing to?



Write the number.

\_\_\_\_\_

**[braille page 19]**

25. Look at the four calculations below.  
Write the letters of all the calculations that total 100

P  $50 + 50$

Q  $80 + 30$

R  $75 + 15$

S  $35 + 65$

**Test administration guidance**

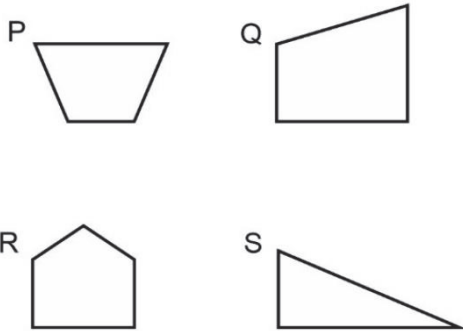
There is no specific guidance for questions 21, 22 or 23.

24. Make sure the pupil finds the scale below.

There is no specific guidance for question 25.

**[braille page 20, facing page 21]**

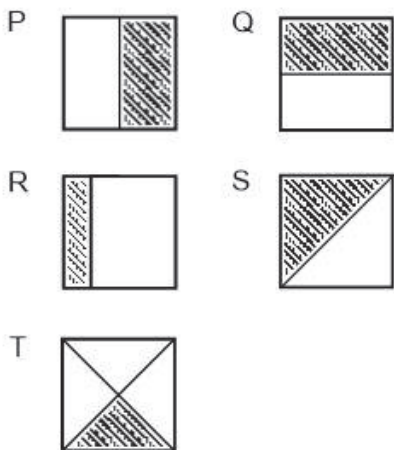
Diagram for question 26

**[braille page 21]**

26. Look at the four shapes on the opposite page.  
They are labelled P Q R and S.  
Two of the shapes have a line of symmetry.  
Write the letters of the two shapes.

**[braille page 22, facing page 23]**

Diagram for question 27

**[braille page 23]**

27. Look at the five squares on the opposite page.  
They are part shaded.  
They are labelled P Q R S T.  
Write the letters of all of the squares that have half shaded.

**Test administration guidance**

26. Make sure the pupil finds the four shapes on the opposite page.
27. Make sure the pupil finds the five squares on the opposite page.

28. Look at the four number sentences below.  
They are labelled P Q R S.

$$P \quad \frac{1}{4} = \frac{1}{2}$$

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

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

$$S \quad \frac{2}{4} = \frac{1}{2}$$

Only one number sentence is correct.  
Write the letter of the correct number sentence.

.....  
**[braille page 24]**

29. Complete the number sentence.  
One is done for you.

$$\frac{1}{4} \text{ of } 8 = 2$$

$$\frac{3}{4} \text{ of } 8 = \underline{\hspace{2cm}}$$

- .....  
30. Sita only puts 5p coins in a bag.  
There is a total of £1 in the bag.  
How many 5p coins are in the bag?  
       coins

.....  
**[braille page 25]**

31. There are 30 animals on a farm.  
 $\frac{1}{2}$  of the animals are cows.  
9 are sheep.  
The rest are horses.  
How many of the animals are horses?  
Show your working.  
       horses

- .....  
32. Three blocks have the same mass.  
Altogether, the three blocks weigh 15kg.  
How much does one block weigh?  
       kg
- .....

**Test administration guidance**

There is no specific guidance for questions 28, 29, 30, 31 or 32.

**[braille page 26]**

33. Sita buys a drink that costs 65p.  
She pays with four 20p coins.  
How much change does Sita get?  
Show your working.

\_\_\_\_p

.....  
End of test



**Test administration guidance**

There is no specific guidance for question 33.



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2024 key stage 1 mathematics  
Braille transcript of Paper 2: reasoning

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