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Transcription of the Braille Version

2023 national curriculum tests
Key stage 1
Mathematics
Braille
Paper 2: reasoning

STA/23/8708/BTp

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[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

Sita
apple apple apple

Amy
apple apple

____ apples

……

[braille page 3]
1.



5 3 2 7

……

[braille page 4]
2. 6 2 8 3

……

3. 5p 1p 20p
one pound 10p 50p

……

4. banana banana banana banana
pear pear pear

……

5.

……

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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. Sita has THREE apples. Amy has TWO apples. Count all the apples that Sita and Amy have. Write your answer.

1. Turn to the next page.
   Look at question one. (pause)
   Look at the dots. (pause)
   Write the number that is TWO LESS than the number of dots.

2. Turn to the next page.
   Look at question two. (pause)
   Look at the digits. (pause)
   Use two of these digits to make the largest two digit number possible.
   Write your answer.

3. Look at question three.
   Look at the coins. (pause)
   Write the coin that has the GREATEST value.

4. Look at question four.
   Look at the fruit. (pause)
   There are twelve pieces of fruit. Four of them are bananas and three are pears. The rest of the fruit are oranges. How many oranges are there? Write your answer.

5. What is 6 MULTIPLIED by 10? Write your answer.

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

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[braille page 5]

6. Write the number in figures that is the same as the words below.

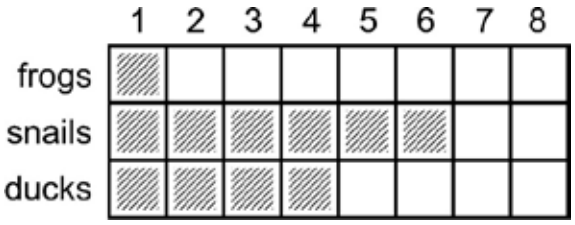
a) sixteen

b) forty-three

……

[braille page 6]

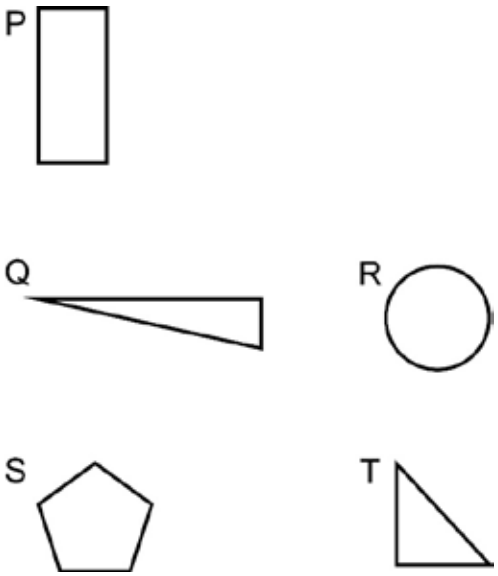
7. This block diagram shows how many animals are in a pond.
Write how many ducks are in the pond.



……

[braille page 7, facing page 8]

Diagram for question 8



[braille page 8]

8. Look at the five shapes on the opposite page.
They are labelled P Q R S and T
Write the letters of the **two** shapes with the same number of sides.

……

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Test administration guidance

6. You may help a braillist to read individual braille cells which may be unfamiliar, but you must take care not to identify the complete written word, as this is what is being tested.
   Encourage the pupil to braille a before the answer to part a, and b before the answer to part b.

There is no specific guidance for question 7.

8. Make sure the pupil finds the five shapes on the opposite page.

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9. You have four shapes for this question.
They are labelled P Q R and S.
Each shape is a cuboid, cone or cylinder.
Write all the letters of the shapes that are

a) cuboid

b) cone

c) cylinder

……

[braille page 9]

10. Look at the four times below.
11 minutes
15 minutes
13 minutes
10 minutes
Four children ran a race.
The fastest time was 10 minutes.
What was the slowest time?
____ minutes

……

[braille page 10]

11. Look at the three signs below.
< = >
Write the correct missing sign.

a) 21 ____ 12

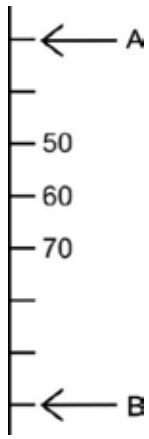
b) 48 ____ 64

c) 55 ____ 55

……

[braille page 11]

12. Look at the number line below.
Write the numbers shown by the arrows A and B.
A is ____
B is ____



……

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Test administration guidance

9. Four shapes are provided. The shapes are labelled P Q R and S. Help the pupil to explore the shapes and read the labels. Do not refer to the names of the shapes. Encourage the pupil to braille a before the answer to part a, b before the answer to part b, and c before the answer to part c.

There is no specific guidance for question 10.

11. Encourage the pupil to braille a before the answer to part a, b before the answer to part b, and c before the answer to part c.

There is no specific guidance for question 12.

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[braille page 12]

13. Ben wants to build a tower with 15 blocks.
He only has 9 blocks.
How many **more** blocks does Ben need?
____ blocks

……

14. Look at the list of numbers below.
13 11 15 16
Use the numbers from this list to complete the number sentences.
One is done for you.

a) 5 + 15 = 20

b) 4 + ____ = 20

c) 7 + ____ = 20

d) 9 + ____ = 20

……

[braille page 13]

15. Ben draws a tally chart of the birds he sees in his garden.
Ben's chart is shown below.

Key: ⋮ is one bird

robin	⋮⋮⋮
blue tit	⋮⋮
sparrow	⋮⋮⋮⋮

,,,,,,,,,,,

a) How many blue tits did Ben see?

b) how many sparrows did Ben see?

……

[braille page 14]

16. 6 teams play football.
Each team has 5 children.
How many children play football **altogether**?
____ children

……

17. Kemi makes the number 56
She uses five tens and six ones.
She adds 2 more tens.
What is her new number?

……

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Test administration guidance

There is no specific guidance for question 13.

14. Encourage the pupil to braille b before the answer to part b, c before the answer to part c, and d before the answer to part d.

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

There is no specific guidance for questions 16 and 17.

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18. Ben has 26 cards.
Sita has 32 cards.
How many cards do Ben and Sita have **altogether**?
____ cards

……

[braille page 15]

19. Look at the four signs below.
× + − ÷
Write the missing sign to make each number sentence correct.
One is done for you.

a) 5 × 4 = 20

b) 8 ____ 2 = 16

c) 30 ____ 10 = 3

d) 7 ____ 6 = 13

……

[braille page 16]

20. Look at the number pattern below.
7 + 3 = 10
17 + 3 = 20
27 + 3 = 30
Write the missing numbers below to continue the number pattern.

a) ____ + 3 = 40

b) 47 + 3 = ____

……

[braille page 17, facing page 18]

Diagram for question 21



[braille page 18]

21. The diagram on the opposite page shows three groups of dots.
Look at the four calculations below.
They are labelled P Q R and S.
P 3 × 3
Q 3 × 4
R 4 + 4 + 4
S 3 + 3 + 3
Write the letters of the **two** calculations that show the total number of dots.

……

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Test administration guidance

There is no specific guidance for question 18.

19. Encourage the pupil to braille b before the answer to part b, c before the answer to part c, and d before the answer to part d.

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

21. Make sure the pupils find the three diagrams on the opposite page.

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22. Look at the calculation below.

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

Now complete the calculations below.

a) $\frac{2}{4}$ of 8 = ____

b) $\frac{3}{4}$ of 8 = ____

……

[braille page 19]

23. This is Ben's money.
50p 20p 5p

This is Sita's money
50p 2p 2p 10p 1p

How much **more** money does Ben have than Sita?
____p

……

24. Sam is thinking of a number.

$\frac{1}{2}$ of the number is 5

What is Sam's number?

……

[braille page 20]

25. Look at the two calculations below.

Each △ is worth the **same** number.

△ + △ = 20

△ × △ = ____

Write the answer to the second calculation.

……

[braille page 21]

26. Sam buys a book for £17
He pays with **four** £5 notes.
£5 £5 £5 £5
How much change does Sam get?
£____

……

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Test administration guidance

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

There is no specific guidance for questions 23, 24, 25 and 26.

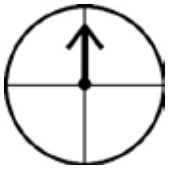
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27. Amy makes 24 sandwiches for a party.
9 children come to the party.
Each child eats 2 sandwiches.
How many sandwiches are **left**?
Show your working.
____ sandwiches

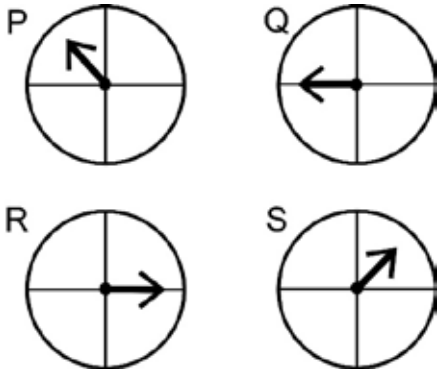
……

[braille page 22]

28. Here is a spinner.



The arrow moves $\frac{1}{4}$ turn **anti-clockwise**.
Write the letter of the new position of the arrow.



……

[braille page 23]

29. Kemi sends a card, a gift and a letter.
The card weighs 32g
The gift weighs 47g
Altogether the card, gift and letter weigh 100 grams.
How much does the **letter** weigh?
Show your working.
____ grams

……

30. In this question ∴ represents a missing digit.
Look at the calculation below.

3∴ + ∴2 = 50

Write the digits that go in the spaces to make the calculation correct.

……

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Test administration guidance

There is no specific guidance for question 27.

28. Ensure the pupil finds the four spinners labelled P Q R and S.

There is no specific guidance for question 29.

30. You may explain the braille code for a missing digit, and that the sign represents different digits.
Ensure the pupil writes the digits in the correct order on their braille paper.

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[braille page 24]

31. Sita solved this calculation.
16 – 4 = 12
Look at the four calculations below.
They are labelled P Q R S
P 16 + 4
Q 4 + 12
R 4 + 16
S 12 + 4
Write the letters of all the calculations that show how Sita could check her answer.

……

32. Here is part of a number pattern.
The numbers increase by **five** each time.
2 7 12 17 22
Write the next **even** number in the pattern.

::::::::::::

End of test

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Test administration guidance

There is no specific guidance for questions 31 and 32.

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Braille transcript
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