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Transcription of the Braille Version

2019 national curriculum tests
Key stage 1
Mathematics
Braille
Paper 2: reasoning

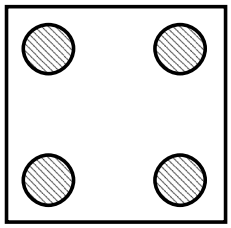
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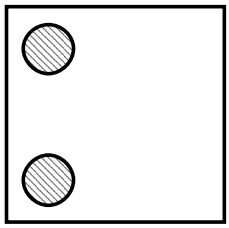
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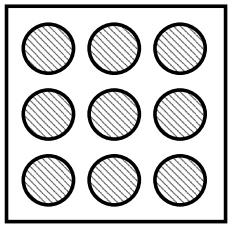
[braille page 1]
In this booklet, ____ indicates a missing number or a missing sign.
In this booklet you will read the names of six children.
They are called Amy, Ajay, Sam, Ben, Sita and Kemi.

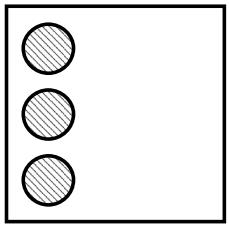
……

[braille page 2]
Practice question

P 

Q 

R 

S 

……

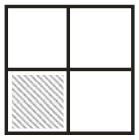
[braille page 3]
1. Monday
   Friday
   Wednesday
   Saturday

……

2. 52 57

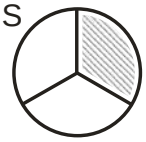
……

[braille page 4]
3.

P 

Q 

R 

S 

……

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Test administration guidance

Please refer to *Administering the braille (UEB) version of the key stage 1 mathematics Paper 2: reasoning* for details of instruction 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 four boxes of counters. They are labelled P Q R and S. Write the letter of the box that has the most counters.

1. Look at the list of four days of the week.
I will read them for you. Monday…Friday…Wednesday…Saturday. Write the name of the day before Thursday.

2. Look at the two numbers.
Write an **even** number that comes between **fifty-two** and **fifty-seven**.

3. Look at the four shapes in the diagram. They are labelled P Q R and S.
Write the letters of all the shapes that are **half** shaded.

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[braille page 5]

4. 12 = ____ × 6

……

5. 96

……

6. Look at the list of three shapes below.
square octagon circle

a) Write the shape that has 8 vertices.

b) Write the shape that has 4 right angles.

c) Write the shape that has no vertices.

……

[braille page 6]

7. Look at the two signs below.
+ −
Write one of these signs each time to make the three calculations below correct.
Example
4 ____ 1 = 5
Answer: +

a) 23 ____ 1 = 22

b) 40 ____ 1 = 39

c) 19 ____ 1 = 20

……

8. Look at the five numbers below.
6 5 4 1 2
Write three numbers from the list that add up to 13

……

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Test administration guidance

4. Look at the calculation.
   Write a number that goes in the space to make the calculation correct.

5. Look at the number.
   What is **ninety-six** minus **ten**? Write your answer.

At the end of the aural section of the text, stop the pupil and introduce the written section of the test.

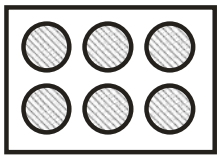
6. Encourage the pupil to braille a before the answer to part a, b before the answer to part b and c before the answer to part c.

7. 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.

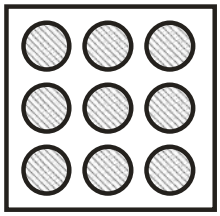
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[braille page 7, facing page 8]
Diagram for question 9

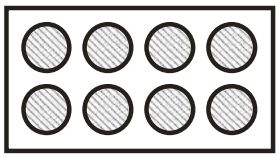
P



Q



R



[braille page 8]

9. Look at the list of three arrays on the opposite page.
They are labelled P Q R
Write the letter to match each multiplication below.

a) 4 × 2 = ____

b) 3 × 3 = ____

c) 3 × 2 = ____

……

[braille page 9]

10. Sam has cards that are numbered 1 to 8
He turns over two of the cards.
The numbers on the other six cards are shown below.
8 1 5 2 4 7
Which two cards has Sam turned over?
Write the numbers that are on these two cards.

……

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

Write the missing number to complete the number sentence below.

$\frac{1}{2}$ of ____ = 3

……

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Test administration guidance

9. 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.

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12. Write the next three numbers in the sequence below.
16 14 12 ____ ____ ____

……

[braille page 10]

13. The numbers 50 and 20 have a total of 70

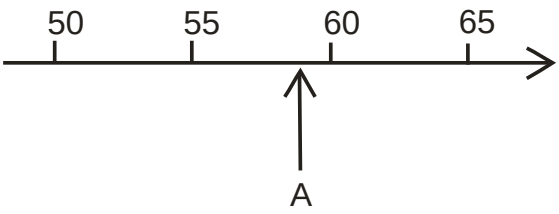
a) 10 and ____ have a total of 70
Write the missing number.

b) ____ and 30 have a total of 70
Write the missing number.

……

[braille page 11, facing page 12]

Diagram for question 14



[braille page 12]

14. Look at the number line on the opposite page.
Write the number shown by arrow A

……

15. Amy has 50p
She buys a pencil for 30p
Look at the four sets of coins below.
They are labelled P Q R S
P 5p 5p 5p
Q 20p 5p
R 5p 10p 10p
S 10p 5p 5p
Write the letter of the set of coins that shows how much money Amy has left.

……

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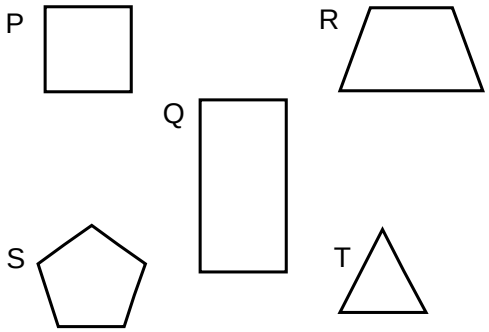
Test administration guidance

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

14. Ensure the pupil finds the number line on the facing page.

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[braille page 13, facing page 14]
Diagram for question 16



[braille page 14]
16. You have a model of a prism for this question.
Look at the diagram on the opposite page.
It shows five shapes, labelled P Q R S T
Write the letters of all the shapes that are faces on the prism.

……

[braille page 15]
17. Look at the three times below.
They are labelled P Q R
P 03:45
Q 04:15
R 04:25
Write the letter of the time that matches each of the three times below.

a) twenty-five past four

b) quarter to four

c) quarter past four

……

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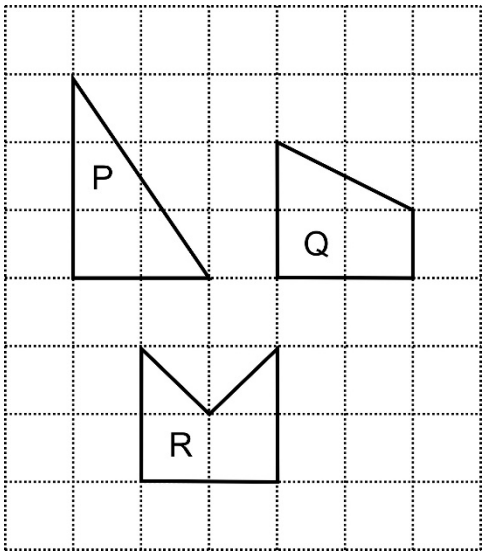
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16. Ensure the pupil finds the diagram on the facing page.
Give the pupil the solid shape. Ensure the pupil explores the shape.

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[braille page 16, facing page 17]
Diagram for question 18



[braille page 17]

18. Look at the diagram on the opposite page.
Three shapes are drawn on a square grid.
They are labelled P Q R
Write the letter of the shape that has a line of symmetry.

……

19. Look at the pattern of number sentences below.
1 + 2 + 3 = 6
2 + 3 + 4 = 9
3 + 4 + 5 = 12
4 + 5 + 6 = 15
Write the next number sentence in the pattern.
___ + ____ + ____ = ____

……

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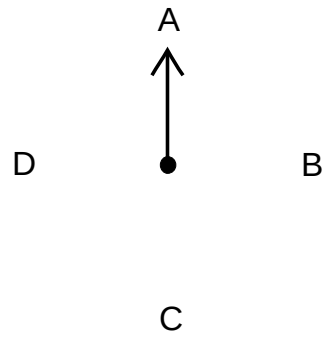
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18. Ensure the pupil finds the diagram on the facing page.

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[braille page 18, facing page 19]
Diagram for question 20



[braille page 19]

20. Look at the diagram on the opposite page.
The arrow is pointing to A
The arrow turns a half turn.
Write the letter the arrow is pointing to after the half turn.

……..……

21. Look at the four numbers below.
10 20 30 40
Use three of the numbers to make the following correct.

a) 27 + ____ = 67

b) 54 − ____ = 34

c) ____ + 88 = 98

……..……

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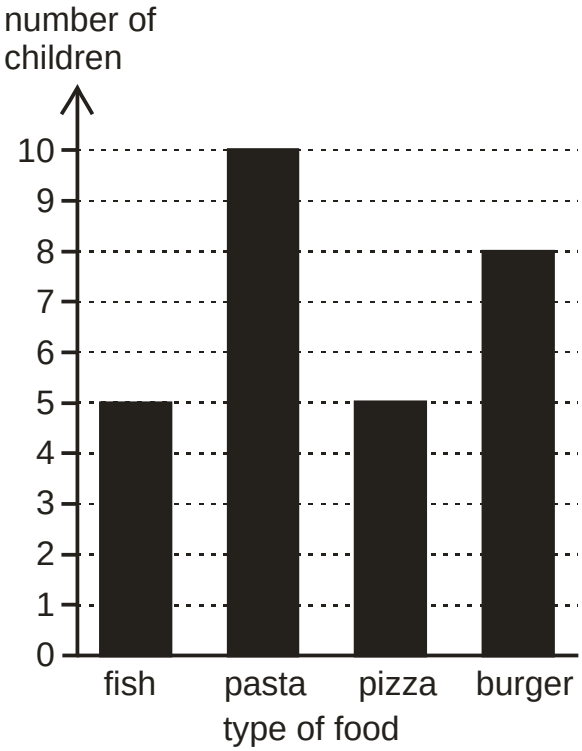
Test administration guidance

20. Ensure the pupil finds the diagram on the facing page.

21. 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.

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[braille page 20, facing page 21]
Diagram for question 22



[braille page 21]

22. Look at the chart on the opposite page.
It shows what class 2 ate for lunch today.
Fewer children ate pizza than burger.
How many fewer?
____ children

……

23. Ben has five marbles.
Kemi has seven times that number.
How many marbles does Kemi have?
____ marbles

……

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22. Ensure the pupil finds the diagram on the facing page.

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[braille page 22]

24. Sam plays a maths game.

He uses △ and ○ to represent numbers.

Each △ is equal to 2 points.

○ + △ + △ = 10 points

How many points is one ○ equal to?

____ points

……

[braille page 23]

25. Write five coins that have a total of 37p

____p
____p
____p
____p
____p

……

26. Ajay has 30 pencils.
He shares them equally between 3 pots.
Copy and complete the number sentence below to show how Ajay shares the pencils.

____ ÷ ____ = ____

……

[braille page 24]

27. Some children make a chart of how many books they read in a week.
Look at the chart below.

Key: = stands for 1 book

Ben ===
Kemi =====
Ajay =======
Sita ==

,,,,,,,,,,,,

Which children read fewer than 4 books?
Write their names.

……

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Test administration guidance

There is no specific guidance for questions 24, 25, 26 and 27.

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[braille page 25]

28. In this question + represents a missing digit.
Look at the calculation below.
1+ + +3 = 29
Write the digits that go in the spaces to make the calculation correct.

……

29. There are 100g of chocolate chips in a bag.
Sita uses 25g
Ben uses 35g
How many grams of chocolate chips are left in the bag?
Show your working.
____g

……

[braille page 26]

30. A shop has 12 bags of crisps.
It sells $\frac{1}{4}$ of the bags.
How many bags of crisps did the shop sell?
____ bags

……

31. Ben has 63 beads.
He gives 37 beads away.
How many beads does Ben have left?
____ beads

……

32. Ben has 90p
He buys 2 tickets.
Each ticket costs 35p
How much money does Ben have left?
Show your working.
____p

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

End of test

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Test administration guidance

28. In this question the 'visible space' symbol + and the numeric passage indicators ## #'have been used.

##
a+"6+c "7 bi
#'

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