Transcription of the Braille Version

2017 national curriculum tests
Key stage 1
Mathematics
Braille
Paper 2: reasoning

[braille page 1]

In this booklet, _____ indicates a missing number.

In this booklet you will read the names of six children.
They are called Amy, Ajay, Sam, Ben, Sita and Kemi.

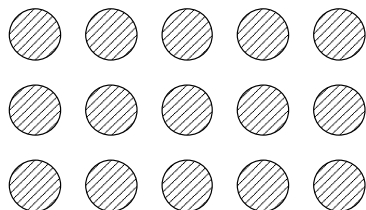..

[braille page 2]

Practice

2

3

....

2.   110
     1001
     111
     101
     200

....

3.   63
     10

....

[braille page 3]

4.

⊘ ⊘ ⊘ ⊘ ⊘

⊘ ⊘ ⊘ ⊘ ⊘

⊘ ⊘ ⊘ ⊘ ⊘

     P 5 + 3
     Q 5 − 3
     R 5 + 5
     S 5 × 3

....

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 and the script to read out for the practice question and questions 1-4.

5.

A

↑

D   ●   B

C
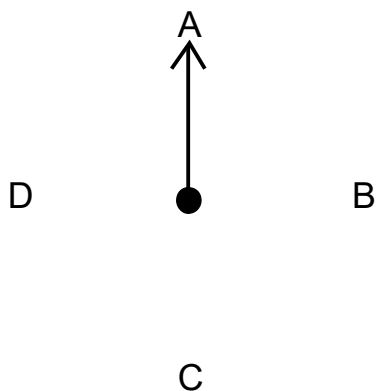
....
6.   Look at the five numbers below.
      73 37 76 36 63
      Write these numbers in order starting with the smallest.
      smallest   ____
                 ____
                 ____
                 ____
      largest   ____
....

7.   Look at the four times in the list below.
      70 minutes
      10 minutes
      45 minutes
      1 hour
      Write the shortest time.
....
8.   A game costs £25
      Ben has £19
      How much more money does Ben need to buy the game?
      £ ____
....

9.   Look at the four numbers below.
      73 58 64 45
      Write the two numbers that are even.
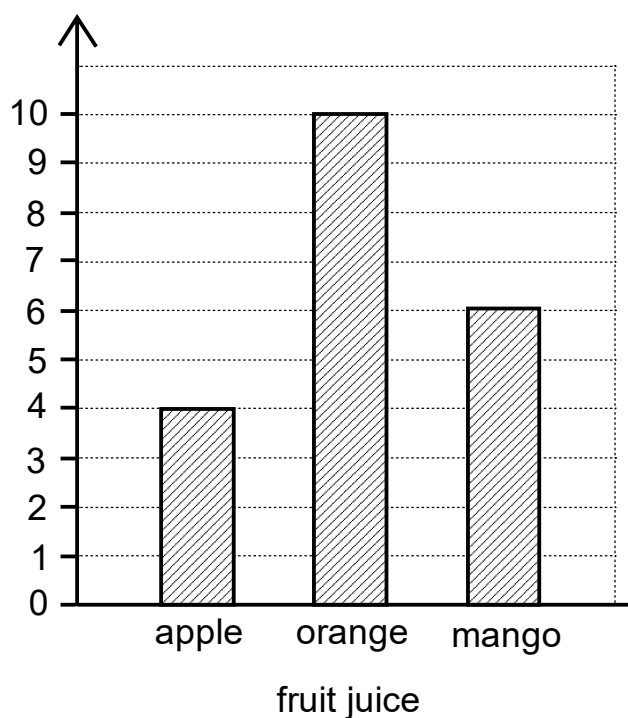...

Test administration guidance

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

Diagram for question 10

number of
children

fruit juice

10.   20 children choose their favourite fruit juice.
       The chart on the opposite page shows the results.

       (a) How many more children choose orange than apple?
       _____ children

       (b) Another boy joins the group.
       He chooses mango juice.
       How many children choose mango juice altogether?
       _____ children
....
11.   Look at the four times in the list below.
       03:08
       08:30
       08:03
       08:00
       Write the time from the list that is the same as half past 8

....

Test administration guidance

10. Ensure the pupil finds the chart on the facing page.
   Encourage the pupil to braille a before the answer to part a, and
   b before the answer to part b.

_____

[braille page 11]

12. Measure the line on the opposite page.
    Use a ruler.
    _____ cm

....

13. Look at the four numbers below.
    0 14 50 61
    Write each number once to make the following correct.

    (a) _____ > _____

    (b) _____ > _____

....

14. 20 bananas are shared equally among 4 monkeys.
    How many bananas does each monkey get?
    _____ bananas

....

[braille page 12]

15. 10 add 7 equals 17

    (a) 9 + _____ = 17
    Write the missing number.

    (b) _____ + 6 = 17
    Write the missing number.

....

16. Look at the list of six coins below.
    1p 10p 50p 5p 20p 2p
    What is the largest amount you can make using three of these coins?
    _____p

....

Test administration guidance

12. The pupil will need a tactile ruler. Ensure the pupil finds the line to be measured. The diagram may be mounted on a board and the ends of the lines may be marked with pins. A spare copy of the diagram is provided.

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

17. Look at the list of four fractions below.

$\frac{1}{4}$ $\frac{1}{3}$ $\frac{2}{4}$ $\frac{3}{4}$

Ben ate half a pizza.
Write the fraction from the list that shows the amount he ate.

....

[braille page 13]
18. Write six different numbers to make the three sums below correct.

(a) ____ + ____ = 27

(b) ____ + ____ = 27

(c) ____ + ____ = 27

....

19. Ben and Sita count cars.
Ben counts 38 red cars.
Sita counts 23 blue cars.
How many cars do they count altogether?
____ cars

....

[braille page 14, facing page 15]
Diagram for question 20
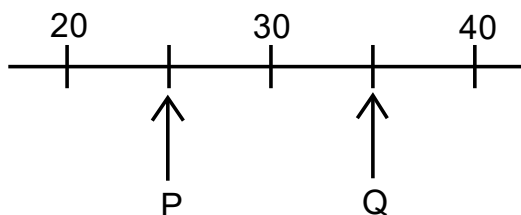
[braille page 15]
20. Look at the number line on the opposite page.
The numbers on the line go up by the same amount each time.

(a) Write the number shown by arrow P

(b) Write the number shown by arrow Q

....

21. Ajay, Sam and Kemi have 4 conkers each.
How many conkers do they have altogether?
____ conkers

....
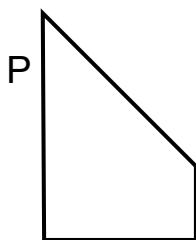
20. **Ensure the pupil finds the diagram on the facing page.**
    Encourage the pupil to braille a before the answer to part a, and
    b before the answer to part b.

22. Look at the four shapes below. They are labelled P Q R and S

P

Q

R

S
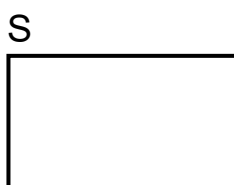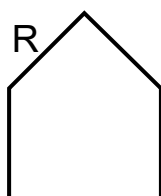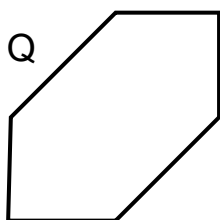
Write the letter of the pentagon.

....

23. Look at the number sentence below.

9 + 7 − _____ = 12

Write the missing number to make the number sentence correct.

....

Diagram for question 24

P

Q

R

S

24. Look at the four shapes on the opposite page.
     They are labelled P Q R and S
     Each shape is made from squares.
     Write the letter of the shape that has exactly $\frac{1}{3}$ shaded.

....

Test administration guidance
There is no specific guidance for questions 22, 23 and 24.

25. 3 + 7 = 10
Write the missing number in each of the sums below.

(a) 33 + ____ = 40

(b) ____ + 7 = 80

....

[braille page 20, facing page 21]
Diagram for question 26
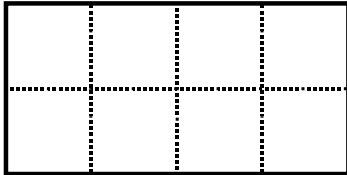
[braille page 21]
26. Look at the shape on the opposite page.
It is made from 8 squares.
Mark one quarter of the shape.
Use the spare copy of the diagram.

....

27. Ben has 4 boxes of eggs.
There are 6 eggs in each box.
Write a number sentence using × and = to show that Ben has 24 eggs altogether.

....

[braille page 22]
28. There are 55 cakes.
20 boys and 19 girls each take a cake.
How many cakes are left?
Show your working.
____ cakes

....

29. You have four solid shapes for this question.
They are labelled P Q R and S
Write the letters of the two shapes that have more than 8 edges.

....

Test administration guidance

26. The diagram may be mounted on a board. Pins or other tactile marks may be used.
    You can then use a pen to transcribe the pupil's answer on the diagram.

29. Give the pupil the four solid shapes labelled P, Q, R and S. Ensure the pupil explores the shapes and writes down the letters of the shapes.

[braille page 23]

30. There are 76 cars in the car park.
    18 more cars go into the car park.
    Then 35 cars go out.
    How many cars are in the car park now?
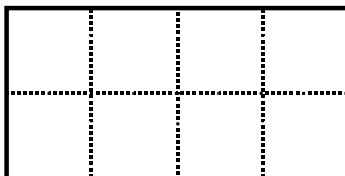   Show your working.
    _____ cars

....

31. A strawberry weighs 24 grams.
    The strawberry and a tomato weigh 69 grams.
    What does the tomato weigh?
    _____ g

::::::::::::
End of test

Diagram for question 12

_____

Diagram and film copies for question 26

Test administration guidance
There is no specific guidance for questions 30 and 31.