2025 national curriculum tests

Key stage 2

Mathematics
braille transcript

Braille transcript for Paper 3: reasoning

Transcription of the Braille Version

[braille page 1]

On your paper write:

Your first name

Your last name

Your date of birth

Your school name

Instructions

You must NOT use a calculator to answer any questions in this test.

You have 40 minutes to complete this test, plus your additional time allowance.

Follow the instructions for each question.

Work as quickly and as carefully as you can.

Some questions say: "Show your method." For these questions, you may get a mark for showing your method.

If you cannot do a question, go on to the next one. You can come back to it later, if you have time.

If you finish before the end, go back and check your work.

The questions are on different types of paper and diagrams are on opposite pages. Make sure you read everything carefully.

_____ has been used in some questions to indicate a missing number.

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STA/25/8919/BTp

Test administration guidance

Note to test administrator

Please write the school DfE number on the pupil's braille script.

If you are acting as a scribe for a braillist, write the pupil's answers on a sheet of plain or lined paper and attach the braille diagrams showing the pupil's work.

STA/25/8919/BTp

[braille page 2]

1.   Write the letters of the numbers that have 8 in the thousands place.
      P. 84 623
      Q. 28 436
      R. 683 052
      S. 8325
      T. 608 231

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2.   Write the letters of the numbers that are less than one million and fifty thousand.
      P. 1 400 000
      Q. 1 049 900
      R. 1 060 000
      S. 1 030 900

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[braille page 3]

3.   There were 15 961 people at a football game.
      Round 15 961 to the nearest hundred.

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4.   Jack buys 2 kilograms of pears.
      He spends £3.28
      What is the cost of one kilogram of pears?
      £_____

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Test administration guidance

There is no specific guidance for questions 1 – 4.

[braille page 4, facing page 5]

Diagram for Question 5
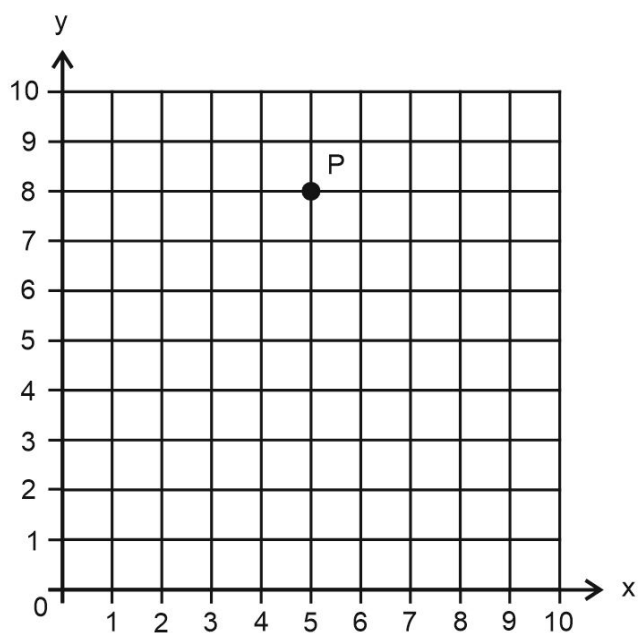
[braille page 5]

5. Look at the grid on the opposite page.
    Point P is located at (5, 8) on the grid.
    Point P is translated 4 units right, 6 units down and 2 units left.
    What is the location of Point P after the three translations?
    (_____,_____)

....

[braille page 6]

6. The mass of an empty truck is 2250 kilograms.
    It is then loaded with 8 boxes.
    The mass of each box is 25 kilograms.
    What is the total mass of the truck and its load?
    Show your method.
    _____ kilograms

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Test administration guidance

5. Make sure the pupil finds the grid and point P on the facing page.

7. Look at the six mixed numbers below.
   They are labelled P Q R S T and U.

   P. $5\frac{2}{5}$

   Q. $4\frac{2}{5}$

   R. $6\frac{2}{4}$

   S. $4\frac{2}{4}$

   T. $7\frac{2}{4}$

   U. $6\frac{2}{5}$

   Write the letter of the mixed number from the list that is equivalent to each improper fraction below.

   a) $\frac{26}{4}$

   b) $\frac{27}{5}$

   c) $\frac{30}{4}$

   d) $\frac{32}{5}$

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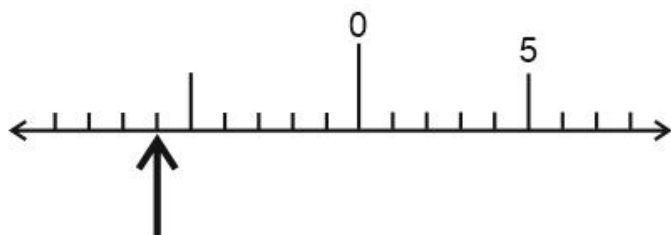
8. Ken buys three items.
   The prices are shown below.
   Milk: 80p
   Cereal: £2.50
   Bread: £1.15
   He pays with a £20 note.
   How much change does Ken get?
   Show your method.
   £____

....

7.   Make sure the pupil finds the list of six mixed numbers.

Encourage the pupil to write a before part a), b before part b), c before part c) and d before part d).

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[braille page 9, facing page 10]

Diagram for Question 9

[braille page 10]

9.   Look at the diagram on the opposite page.
        It shows part of a number line with one arrow.
        a) Write the number that the arrow is pointing to.
        b) Write the number that is 16 less than 7

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[braille page 11]

10.   Here is some information about four animals in a zoo.

	Mass	Height
Elephant	6300 kg	3.4 m
Hippo	1100 kg	1.5 m
Rhino	2400 kg	1.7 m
Giraffe	1200 kg	6.0 m

,,,,,,,,,,,,
        Write the letters of the statements that are true.
        P. The elephant is exactly three times heavier than the rhino.
        Q. The hippo is a quarter of the height of the giraffe.
        R. The rhino is 20 cm taller than the hippo.
        S. The tallest animal is also the heaviest.

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[braille page 12]

11.   Write the letter of the number sentence that is correct.

P. $0.304 = \dfrac{4}{10} + \dfrac{3}{1000}$

Q. $0.43 = \dfrac{43}{1000}$

R. $0.403 = \dfrac{4}{10} + \dfrac{3}{1000}$

S. $0.034 = \dfrac{3}{10} + \dfrac{4}{1000}$

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9. Make sure the pupil finds the diagram with the arrow under the line on the opposite page.
    Encourage the pupil to write a before part a) and b before part b).

12. Look at the six digital times below.
    12:35
    04:05
    21:45
    07:20
    22:45
    19:20
    Write the digital time from the list that is equivalent to each written time below.
    For example five past 4 in the morning is equivalent to 04:05
    a) 25 minutes to 1 in the afternoon.
    b) 20 minutes past 7 in the morning.
    c) Quarter to 11 in the evening.

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13. Write the four numbers below in order, starting with the least.

    $\dfrac{9}{100}$ 0.999 $\dfrac{99}{100}$ 0.009

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14. Look at this expression.
    $y + 4$

    a) Write the letter of the value for y that gives a prime number value for $y + 4$
    P. $y = 8$
    Q. $y = 9$
    R. $y = 10$

    b) Write the letter of the value for y that gives a square number value for $y + 4$
    P. $y = 5$
    Q. $y = 6$
    R. $y = 7$

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15. A factory makes T-shirts and dresses.
    They pack them in boxes.
    There are 50 T-shirts in a box.
    a) How many T-shirts are there in 250 boxes?
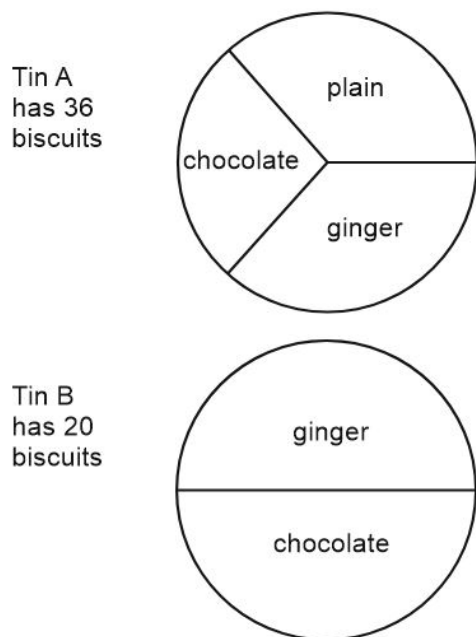
    There are 40 dresses in a box.
    b) How many boxes are needed for 3000 dresses?

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Test administration guidance

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

14. Encourage the pupil to write a before part a) and b before part b).

15. Encourage the pupil to write a before part a) and b before part b).

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Diagram for Question 16

Tin A has 36 biscuits

plain

chocolate

ginger

Tin B has 20 biscuits

ginger

chocolate

[braille page 17]

16.   Look at the pie charts on the opposite page.
        These pie charts show the biscuits in two tins.
        Tin B has more chocolate biscuits than Tin A.
        Explain why this is incorrect.

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[braille page 18]

17.   A shop buys 35 boxes of crisps.
        Each box contains 48 packets of crisps.
        On average, the shop sells 56 packets of crisps each day.
        How many days will it take for all of the crisps to be sold?
        Show your method.
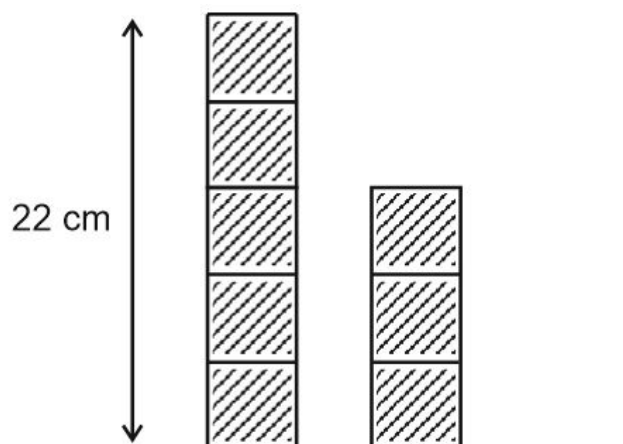   _____ days

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18.   a) Convert 5.65 km to metres.
        _____ m

        b) Convert 35.5 cm to metres.
        _____ m

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Test administration guidance

16. Make sure the pupil finds the two pie charts and the labels.

18. Encourage the pupil to write a before part a) and b before part b).
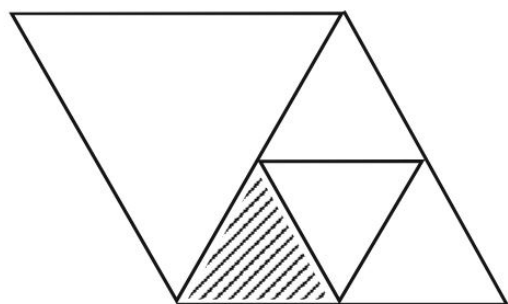
Diagram for Question 19

19.   Look at the diagram on the opposite page.
       Jacob has some wooden blocks that are all the same size.
       He uses the blocks to make two towers.
       One tower is 5 blocks tall.
       The other tower is 3 blocks tall.
       The height of the taller tower is 22 centimetres.
       What is the height of the smaller tower?
       Show your method.
       ____cm

....

Diagram for Question 20

20.   Look at the diagram on the opposite page.
       It shows a shape made from two large equilateral triangles.
       One of the large triangles is divided into four smaller equilateral triangles.
       One of the small triangles is shaded.
       What fraction of the whole shape is shaded?

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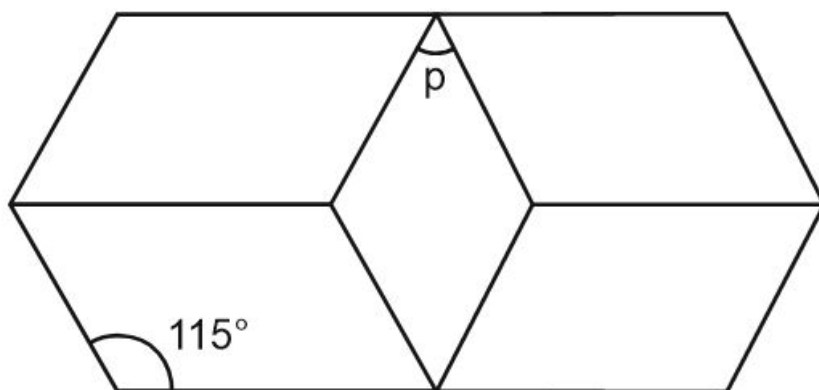
Test administration guidance

19. Make sure the pupil finds the two towers in the diagram on the opposite page.

20. Make sure the pupil finds the larger and smaller equilateral triangles in the diagram on the opposite page.

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21.   Here is some information about a number:
        It has two digits.
        It is a multiple of 7
        One of the digits is 8
        Write all the possible numbers that the number could be.

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Diagram for Question 22

22.   The diagram on the opposite page shows four identical parallelograms and a
        rhombus.
        One angle is labelled 115°.
        Another angle is labelled p.
        Calculate the size of angle p.
        Show your method.
        _____°

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END OF TEST

Test administration guidance

22. Make sure the pupil finds the five shapes and the two labelled angles in the diagram on the opposite page.

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Standards & Testing Agency

Key stage 2 mathematics
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