

2016 national curriculum tests

Key stage 2

Mathematics

EXTRACTS

Paper 2: reasoning

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
School name						
DfE number						



19

$$3^2 + 10 =$$

1 mark

20

$$0.9 \div 10 =$$

1 mark

21

$$4 - 1.15 =$$

1 mark



24

$$\frac{4}{7} + \frac{5}{7} =$$

1 mark

25

$$20\% \text{ of } 1,800 =$$

1 mark

26

$$15 \times 6.1 =$$

1 mark



33

$$\frac{3}{5} \div 3 =$$



1 mark

34

$$\frac{2}{5} \times 140 =$$



1 mark



4

This table shows the number of people living in various towns in England.

Town	Population
Bedford	82,448
Carlton	48,493
Dover	34,087
Formby	24,478
Telford	166,640

What is the **total** of the numbers of people living in Formby and in Telford?

1 mark

What is the **difference** between the numbers of people living in Bedford and in Dover?

1 mark

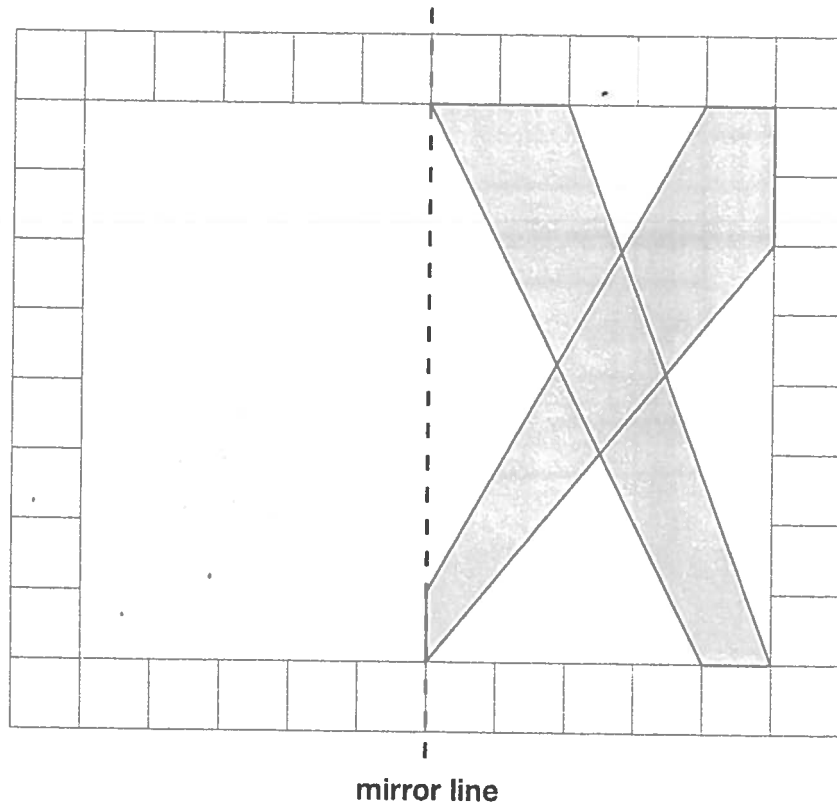


6

This diagram shows a shaded shape inside a border of squares.

Draw the reflection of the shape in the mirror line.

Use a ruler.

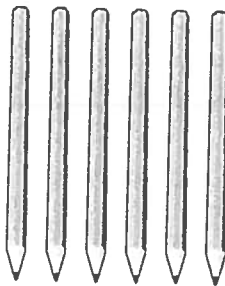


1 mark



9

6 pencils cost £1.68



3 pencils and 1 rubber cost £1.09



What is the cost of 1 rubber?

Show your method

A large rectangular area with a grid background for showing the method. A smaller empty rectangular box is located in the bottom right corner of this area.

2 marks



12

$$n = 22$$

What is $2n + 9$?

1 mark

$$2q + 4 = 100$$

Work out the value of q .

$$q = \text{[]}$$

1 mark





Standards
& Testing
Agency

2016 key stage 2 mathematics

Paper 2: reasoning

Print version product code: STA/16/7376/p ISBN: 978-1-78315-933-8

Electronic PDF version product code: STA/16/7376/e ISBN: 978-1-78315-934-5

For more copies

Additional printed copies of this booklet are not available. It can be downloaded from www.gov.uk/government/publications.

© Crown copyright and Crown information 2016

Re-use of Crown copyright and Crown information in test materials

Subject to the exceptions listed below, the test materials on this website are Crown copyright or Crown information and you may re-use them (not including logos) free of charge in any format or medium in accordance with the terms of the Open Government Licence v3.0 which can be found on the National Archives website and accessed via the following link: www.nationalarchives.gov.uk/doc/open-government-licence.

When you use this information under the Open Government Licence v3.0, you should include the following attribution: 'Contains public sector information licensed under the Open Government Licence v3.0' and where possible provide a link to the licence.



Exceptions – third-party copyright content in test materials

You must obtain permission from the relevant copyright owners, as listed in the '2016 key stage 2 tests copyright report', for re-use of any third-party copyright content which we have identified in the test materials, as listed below. Alternatively you should remove the unlicensed third-party copyright content and/or replace it with appropriately licensed material.

Third-party content

These materials contain no third-party copyright content.

If you have any queries regarding these test materials contact the national curriculum assessments helpline on 0300 303 3013 or email assessments@education.gov.uk.



E 0 0 0 7 0 A 0 2 4 2 4