National curriculum tests



Practice Paper: Reasoning R4

| First name | | | | |
|---------------|-----|-------|------|--|
| Middle name | | | | |
| Last name | | | | |
| Date of birth | Day | Month | Year | |
| School name | | | | |



Contains public sector information licensed under the Open Government Licence v3.0' Copyright 2016 Emaths | www.emaths.co.uk | For Free Educational Use Only

Key Stage 2 National Curriculum Tests - Practice Paper - Reasoning

Instructions

You may not use a calculator to answer any questions in this test.

Questions and answers You have 40 minutes to complete this test. Follow the instructions for each question. Work as quickly and as carefully as you can. If you need to do working out, you can use the space around the question. Do not write over any barcodes. Some questions have a method box like this: Show your method Show your For these questions you may get a mark for showing your method.

If you cannot do one of the questions, go on to the next one.

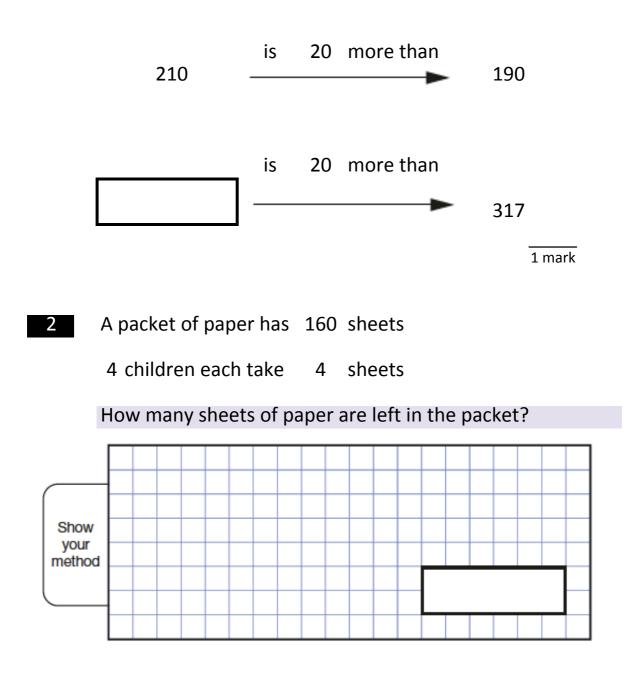
You can come back to it later, if you have time.

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

Marks

The number under each line at the side of the page tells you the maximum number of marks for each question.

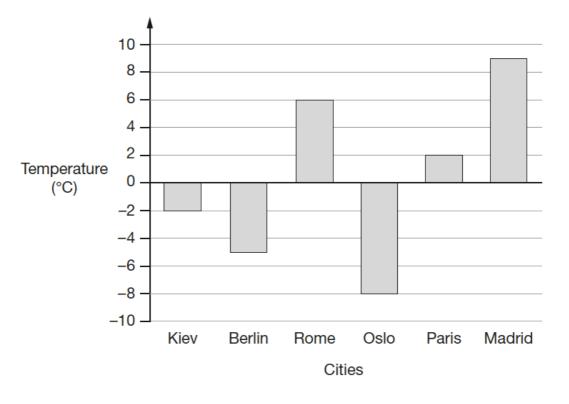
One is done for you.



2 marks

This graph shows the temperature in six cities on a day in January.

3



Which city was 17 degrees warmer than Oslo?

1 mark

What was the **difference** between the temperature in **Berlin** and the temperature in **Rome?**

1 mark

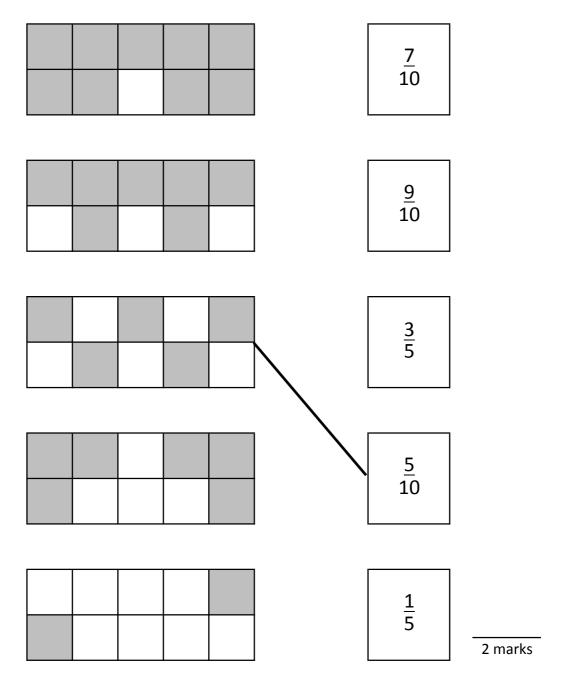
Here are some shapes made of squares.

A fraction of each shape is shaded.

Match each shape to its equivalent fraction.

One has been done for you.

4



Copyright 2016 Emaths | www.emaths.co.uk | For Free Educational Use Only

5 What is **354** minutes in hours and minutes?

hours minutes

1 mark

6 Sam's watch shows five minutes past nine.

The watch is sixteen minutes fast

What is the correct time?

1 mark

Copyright 2016 Emaths | www.emaths.co.uk | For Free Educational Use Only

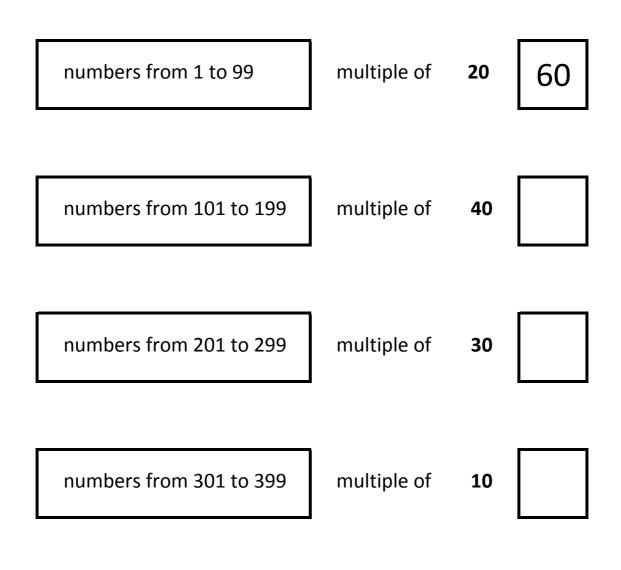
R4



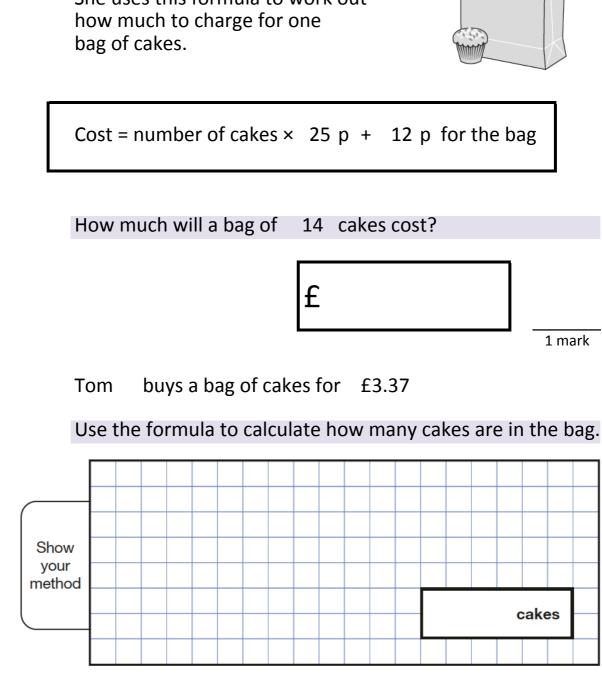
rect time?

7 In the squares, write a multiple that belongs to each set.

One has been done for you.



2 marks

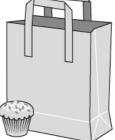


She uses this formula to work out

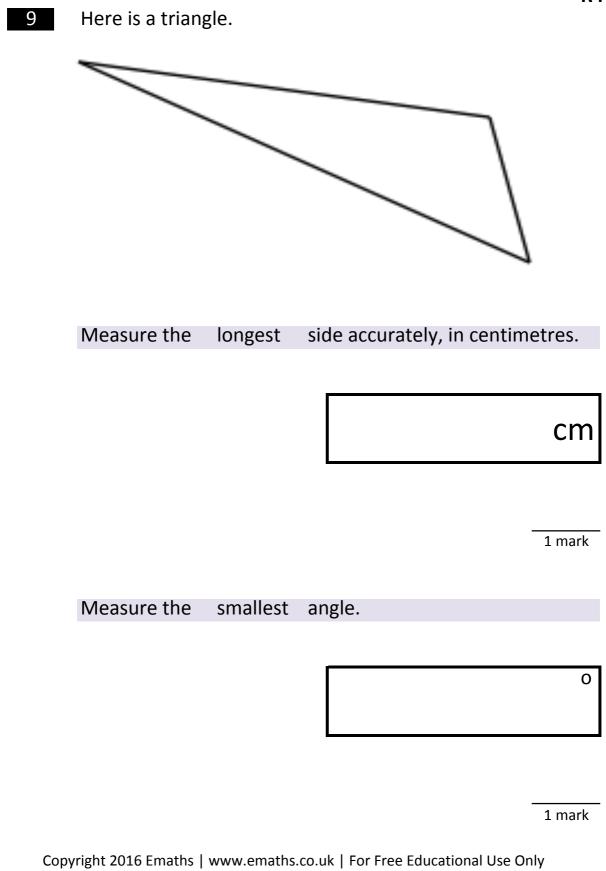
Molly bakes cakes and sells them in bags.

2 marks

Copyright 2016 Emaths | www.emaths.co.uk | For Free Educational Use Only

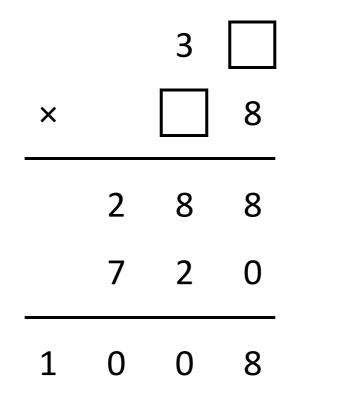


8



R4

10 Write the missing digits to make this long multiplication correct.



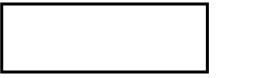
2 marks

CXXXI

Write the number in figures

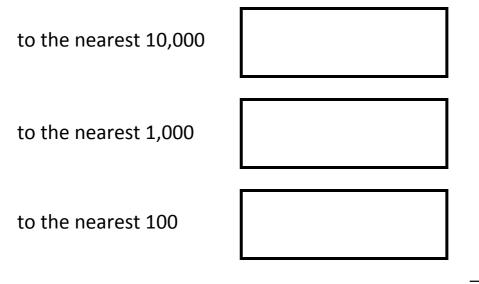
1 mark

12 What number is halfway between 3.2 and 3.9 ?

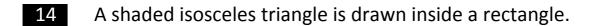


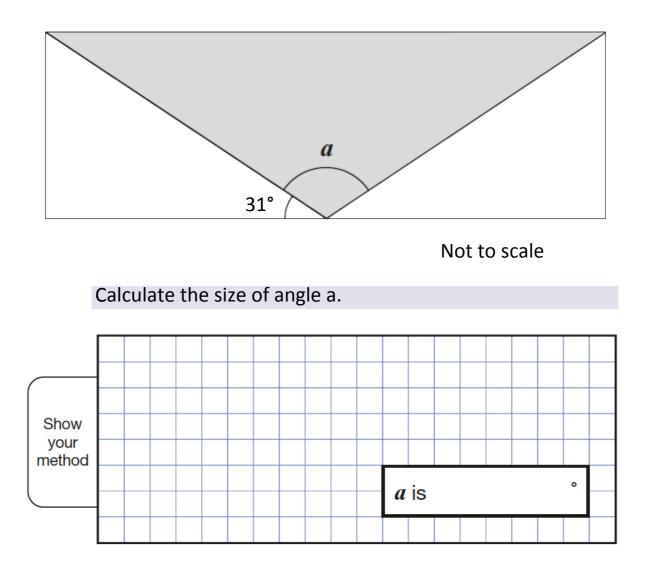
1 mark

13 Round 115,535



2 marks





2 marks

Copyright 2016 Emaths | www.emaths.co.uk | For Free Educational Use Only

R4

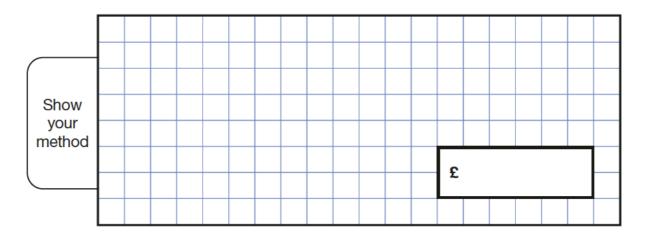
15 Large pizzas cost £9.25 each.

Small pizzas cost £6.50 each.

3 children together buy 2 large pizza and 5 small pizzas.

They share the cost equally.

How much does each child pay?

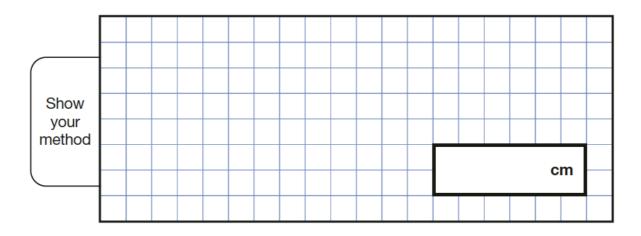


2 marks

16 Seven chidren measure their heights.

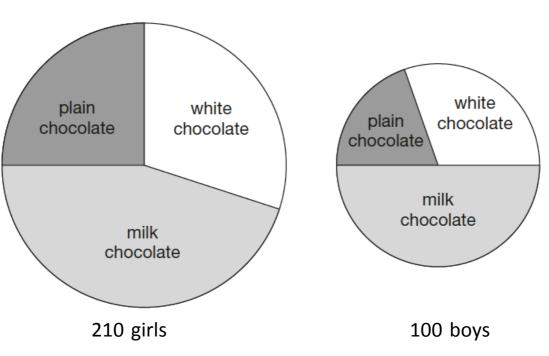
| Child | Height (cm) | | |
|---------|-------------|--|--|
| Phil | 140 | | |
| Stephen | 145 | | |
| Dev | 139 | | |
| Krista | 143 | | |
| Рорру | 148 | | |
| Tom | 150 | | |
| Jane | 136 | | |

What is the mean height of the children?



2 marks

17 210 girls and 100 boys were asked which kind of chocolate they like best.

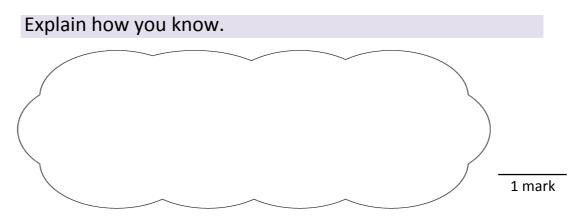


These two pie charts show the results.

Ryan says,

"The pie charts show that more girls than boys liked milk chocolate best."

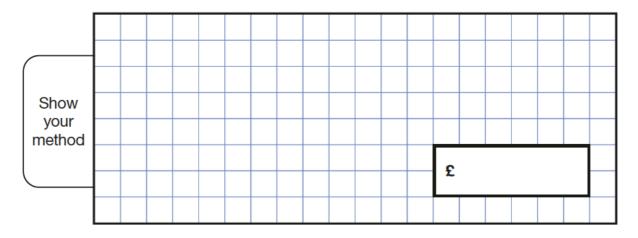
Ryan is correct.

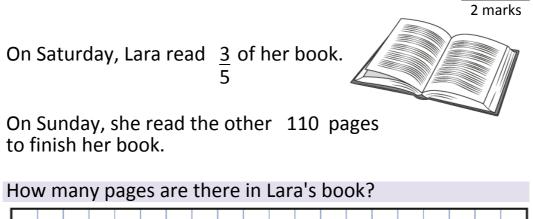


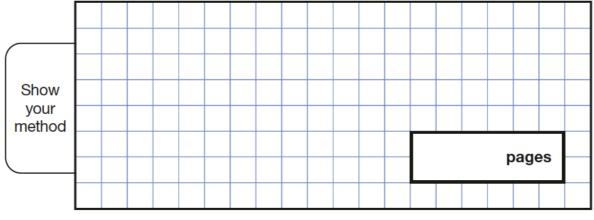
18 One gram of gold costs £35.14

19

What is the cost of half a kilogram of gold?







2 marks