MATHEMATICS		
KEY STAGE 2 2003		
TEST A	LEVELS	
CALCULATOR NOT ALLOWED		

PAGE	MARKS
5	
7	
9	
11	
13	
15	
17	
19	
21	
TOTAL	





Instructions

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

Work as quickly and as carefully as you can.

You have **45 minutes** for this test.

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.

Follow the instructions for each question carefully.

This shows where you need to put the answer.

If you need to do working out, you can use any space on a page.





1

Jamie is cooking pasta.

He weighs 350 grams of pasta.

Draw an arrow on the scale to show 350 grams.



1 mark

2

1a

1b

1 mark

Complete the diagram below to make a shape that is symmetrical about the mirror line.

Use a ruler.



4

Which of these numbers give **80** when **rounded** to the **nearest 10**?

Circle all the correct numbers.



1 mark

3

4

1 mark



This table shows how many journeys a taxi driver made on five days and how much money he collected.

	number of journeys	money collected	
Monday	23	£85	
Tuesday	36	£112	
Wednesday	18	£69	
Thursday	31	£124	
Friday	35	£109	

How much money did he collect on the day that he made the most journeys?



How much more money did he collect on Monday than on Wednesday?



6a

1 mark

5

1 mark

6b

Shade in **two more** squares to make a symmetrical pattern.



8

7

Each of these bags contains **£1.60**

Each bag contains only one type of coin.



Complete this table to show how many coins are in each bag.

One has been done for you.

Type of coin	Number of coins		
1р	160		
10 p			
20 p			

1 mark

8

7



Tom and Nadia have 16 cards each.

Tom gives Nadia 12 of his cards.

How many cards do Tom and Nadia each have now?



Lucy also has 16 cards.

She gives a quarter of her cards to Kiran.

How many cards does Lucy give to Kiran?



1 mark

9b

9a



1 mark

10b

10a



Martin has some bricks.

They are 12cm long, 6cm high and 6cm deep.



He builds this tower with **five** bricks.



How tall is the tower?





Here are their times.

	100m race 800m race	
Elise	15.9 seconds	3 minutes 02 seconds
Jake	19.7 seconds	2 minutes 58 seconds
Teri	16.8 seconds	3 minutes 01 seconds
Neil	17.1 seconds	2 minutes 59 seconds
Barry	18.4 seconds	2 minutes 57 seconds



These diagrams show the **diagonals** of three **quadrilaterals**.

Write the names of the quadrilaterals in the boxes.



Total out of 4





16ii

2 marks

16i



The first two numbers in this sequence are 2.1 and 2.2

The sequence then follows the rule

'to get the next number, add the two previous numbers'

Write in the next two numbers in the sequence.



18

Here is a rectangle with 13 identical shaded squares inside it.

What fraction of the rectangle is shaded?



Remi feeds her guinea pig **30 grams** of food each day.



How many days does the packet of food last?



19ii

20i

20ii

19i

2 marks

20

An isosceles triangle has a perimeter of 12cm.

One of its sides is 5cm.

What could the length of each of the other two sides be?

Two different answers are possible.

Give **both** answers.





The pie charts show the results of a school's netball and football matches.



The netball team played **30** games.

The football team played 24 games.

Estimate the percentage of games that the **netball team lost**.



21a

1 mark

David says,

'The two teams won the same number of games'.

Is he correct? Circle Yes or No.

🔪 Yes / No

Explain how you know.

.....

21b





Here is a pentagon drawn on a coordinate grid. The pentagon is symmetrical.



1 mark

23



What is the number?



24

1 mark



Debbie has a pack of cards numbered from 1 to 20 She picks four different number cards.



Exactly three of the four numbers are multiples of 5

Exactly three of the four numbers are even numbers.

All four of the numbers add up to less than 40

Write what the numbers could be.



1 mark



26ii

2 marks

End of test

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