'Now we are ready to start the test.

For the first group of questions you will have 5 seconds to work out each answer and write it down.'

1	Your answer sheet shows the price of a book. How much is the book, to the nearest pound?
2	Multiply four by four.
3	Subtract forty-eight from seventy.
4	What is fifty per cent of ten?
5	Look at the equation. Find the value of k.
6	What is half of two-thirds?

'For the next group of questions you will have 10 seconds to work out each answer and write it down.'

7	In a local swimming pool, thirty-two lengths is half a mile. How many lengths is one mile?
8	I bought three tickets for a concert. The total cost was forty-five pounds. How much was one ticket?
9	Your answer sheet shows part of a train timetable. How long does the journey take from Twyford to Maidenhead?
10	What is one quarter of sixty?
11	What is the perimeter of this square?
12	Look at the numbers. Put a ring round the median.
13	Look at the scale. About what value is the arrow pointing to?
14	My birthday is twenty-two days after my friend's birthday. This year my friend's birthday is on a Monday. On what day will my birthday be this year?
15	The longest flight of stairs in the world is in Switzerland. Your answer sheet shows how many stairs there are. Write this number to the nearest thousand.
16	Look at the numbers. What is the largest number that will divide exactly into both of these numbers?

'Now turn over your answer sheet.'

Key stage 3 mathematics 2004

Mental mathematics Test C

First name _____

Last name _____

School _____

Total marks ☐

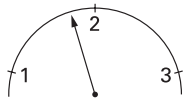
Practice question

		20

Time: 5 seconds

1	£	£16.55	1
2			2
3		70	3
4		50%	4
5		$k - 20 = 40$	5
6		$\frac{2}{3}$	6

Time: 10 seconds

7	lengths	32	7
8	£	£45	8
9	Reading 10:45 Twyford 10:54 Maidenhead 11:02 Slough 11:14 Paddington 11:38	minutes	9
10		60	10
11	..... cm	10 cm	11
12	4 9 10 13 20		12
13			13
14		22 days	14
15		11 674	15
16		12 20	16

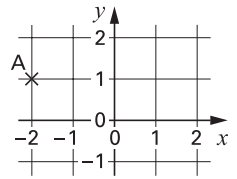
17	On the grid is a point marked A. Write the coordinates of this point.
18	What is the next number in the sequence of square numbers? One, four, nine, sixteen …
19	The chart shows the number of males and females who are members of a sports club. There are thirty males in the club. About how many females are there?
20	There are fourteen girls and thirteen boys in a class. What is the probability that a pupil chosen at random will be a girl?
21	Estimate the size of the angle, in degrees.
22	Look at the equation. When a is ten, what is the value of b?

'For the next group of questions you will have 15 seconds to work out each answer and write it down.'

23	Look at the cube. I am going to hang it from the corner marked with an arrow. When it is hanging, which corner will be lowest? Mark the correct corner with a cross.
24	The diagram shows three circles. Shade the part of the diagram where all three circles overlap.
25	Look at the price list. I buy one sandwich, one yoghurt and two apples. How much money is that altogether?
26	In a survey, pupils were asked if they liked playing sport. Twenty pupils said yes. How many pupils said no?
27	Write three even numbers that add to twenty.
28	Work out the size of angle a.
29	What is the remainder when you divide three hundred by twenty-nine?
30	Look at the types of quadrilaterals on your answer sheet. Which of them must have sides that are all the same length? Ring the correct ones.

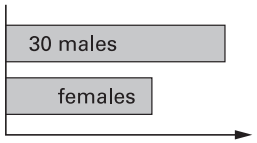
'Put your pens down. The test is finished.'

Time: 10 seconds continued

17 

(,)

18 1, 4, 9, 16, ...

19 

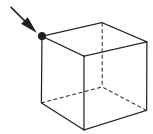
females

20 14 girls 13 boys

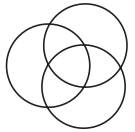
21 
°

22 $b = 3a + 5$

Time: 15 seconds

23 

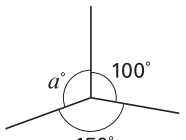
Time: 15 seconds continued

24 

25 Sandwich £1.50
Yoghurt 75p
Apple 30p
£

26 Yes 
No 
pupils

27 20

28 

°

29 300 29

30 square rectangle
parallelogram
rhombus kite