

**'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	Write in figures the number six hundred and nine.
2	Divide twenty by four.
3	A group of people had a meal in a restaurant. Your answer sheet shows the total cost. How much is this to the nearest ten pounds?
4	Look at the equation. When $a$ is seven, what is the value of $b$ ?
5	What is fifty per cent of twenty pounds?
6	Multiply seven by six.
7	Write a number that is bigger than nought point three but smaller than nought point four.
8	Add four to minus five.
9	I am thinking of a number. I call it $n$ . I add five to my number. Write an expression to show the result.

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

10	It takes three hours to travel from my home to my friend's house. I arrive at two pm. At what time did I leave home? Write your answer using am or pm.
11	I am counting back in nought point ones. Five point three, five point two, five point one, ... Write down the next two numbers.
12	Subtract nine pence from ten pounds.
13	Shade one quarter of the diagram.
14	Add seventy-two and thirty-eight.
15	Two different lines are parallel. How many times do these lines touch?
16	A pupil did a survey to find out whether people watched the news on BBC or ITV. The bar chart shows her results. Sixty people said ITV. About how many people said BBC?

**'Now turn over your answer sheet.'**

**Key stage 3 mathematics 2003**  
**Mental mathematics Test C**

First name \_\_\_\_\_

Last name \_\_\_\_\_

School \_\_\_\_\_

Total marks

**Time: 5 seconds continued**

7

8  -5

9   $n$

**Time: 10 seconds**

10  2 pm

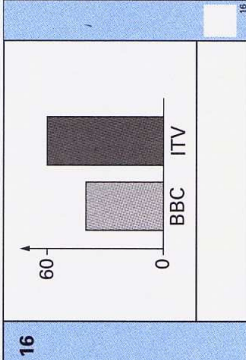
11 5.3, 5.2, 5.1, \_\_\_\_\_

12 £  9p

13 


14  72 38

15

16 

**Practice question**

30

**Time: 5 seconds**

1

2

3 £  £38.95

4   $a + b = 20$

5 £  50%

6

7

8

9

10

11

12

13

14

15

16

17	Centimetres are a measure of length. Complete the sentence: Grams are a measure of ...
18	How much is half of nine pounds fifty?
19	The diagram shows a plan of a room. The scale is one centimetre to two metres. On the plan the room is four centimetres long. How long is the room in real life?
20	The pie chart shows how two hundred pupils travel to school. How many of these pupils walk to school?
21	The population of the United Kingdom is about fifty-nine million. Write this number in figures.
22	A pupil measures his height as six feet. About how many metres high is that? Ring the best answer on your answer sheet.
23	Write a multiple of three that is bigger than one hundred.
24	Look at the angle. Estimate its size in degrees.
25	Look at the expression. Write it as simply as possible.

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

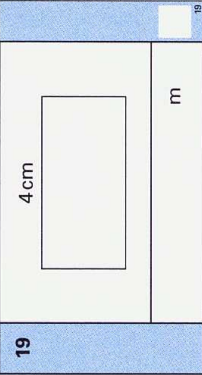
26	Your answer sheet shows part of a bus timetable. The buses run regularly. Complete the table to show the missing time.
27	Add together the numbers on your answer sheet.
28	Look at the square grid. Complete the diagram so that the shaded part is the net of a cube.
29	I am going to take a counter at random from a bag. The table shows the number of different coloured counters in the bag. What is the probability that the counter will be red?
30	Your answer sheet shows the answer to thirty-four multiplied by fifty-six. Use this information to help you work out the answer to thirty-five multiplied by fifty-six.

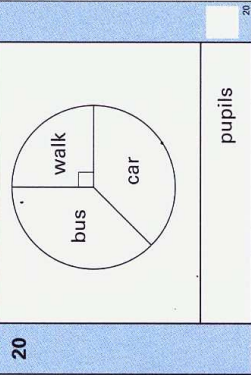
**'Put your pens down. The test is finished.'**

**Time: 10 seconds continued**

17

18 £  £9.50

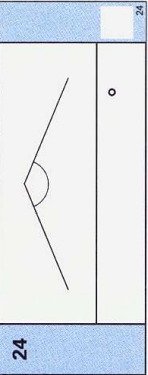
19 

20  pupils

21

22  0.6 1 1.4 1.8 2.2

23

24 

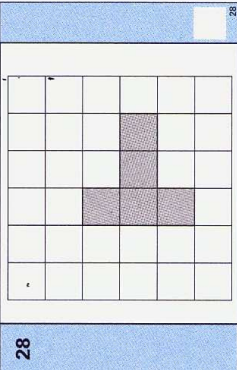
25   $3a + 4a + 2a$

**Time: 15 seconds**

26 

Grey Rd	10 30	10 50	11 10
Station	10 48	11 08	.....

27  18 19 20 21 22

28 

29 

red	3
blue	7
green	10

30 

$34 \times 56 = 1904$
$35 \times 56$