

Ma

KEY STAGE

3

LOWER TIER
TEST C

2002

Mental arithmetic Test C Audiotape transcript

This booklet contains a transcript of the key stage 3 mental arithmetic Test C. It should be used **ONLY** in cases of tape failure or for specific special arrangements made for the administration of this version of the test for pupils with sensory and/or motor disabilities.



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education and skills

creating opportunity, releasing potential, achieving excellence

'Now we are ready to start the test.
For this first group of questions, you will have 5 seconds to work out each answer and write it down.'

1	Look at the numbers on your answer sheet. Add them.
2	What number do you need to add to eighty-seven to make one hundred?
3	Multiply nine by five.
4	How many sides has a pentagon?
5	What number multiplied by seven equals forty-two?
6	A book gives the height of Mount Everest, in feet, as twenty-nine thousand and twenty-eight. Write this height in figures.
7	What is one third of twelve?
8	Write down the number that is five greater than minus two.

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

9	The tally chart shows the number of questions a teacher asked in a lesson. How many questions did the teacher ask?
10	How many seconds are there in two minutes?
11	What number is the arrow pointing to on the number line?
12	The time is now one p.m. My train is due at sixteen hundred hours. How many hours is it before my train is due?
13	What is the next number in this halving sequence? Twenty, ten, five, ...
14	Look at the straight line. Estimate the length of this line, in centimetres.
15	A teacher asked some pupils if they had a part-time job. The pie chart shows the results. The teacher asked twenty pupils. How many of them said yes?
16	Four packets of biscuits cost one pound. How much would six packets of biscuits cost?

'Now turn over your answer sheet.'

Key stage 3 mathematics 2002
Mental arithmetic Test C

First name _____

Last name _____

School _____

Pupil number

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 Total marks

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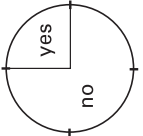
Practice question

	17
--	----

Time: 5 seconds

1		35	36	1
2				2
3				3
4				4
5				5
6			feet	6
7				7
8			-2	8

Time: 10 seconds

9		9
10	seconds	10
11		11
12	hours 1 pm 1600	12
13	20 10 5	13
14	 cm	14
15	 pupils	15
16	£	16

17	Look at the rectangle. What is its perimeter?
18	Look at the expression in the square. Which answer below is the same as the expression in the square? Ring the correct one.
19	Look at the equation. When x equals five, what is the value of y ?
20	The diagram shows a line inside a square. What is the size of the angle labelled t ?
21	In my family, the range of heights is thirty-five centimetres. The height of the shortest person is one hundred and twenty-five centimetres. What is the height of the tallest person?
22	Multiply four point seven by one hundred.
23	Look at the triangle. Work out the size of angle a
24	What is the next prime number after nineteen?
25	What is twenty per cent of three hundred pounds?

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

26	I asked some pupils how many hours they spent on their homework last night. The bar chart shows the results. Altogether, how many pupils did I ask?
27	Which of the nets on your sheet will fold to make a triangular-based pyramid? Put a tick inside the correct net.
28	A jar of coffee costs one pound twenty pence. I buy three jars of coffee. How much change should I get from twenty pounds?
29	What fraction of one kilogram is two hundred and fifty grams?
30	I am thinking of two numbers that add to twelve. One of the numbers is double the other. What are my two numbers?

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

Time: 10 seconds continued

17	<div> <div>8cm</div> <div>7cm</div> <div>cm</div> </div>	17
----	--	----

18

<div> <div>$5a + 2a$</div> <div>7 $7a$ 52 $52a$</div> </div>	18
--	----

19

<div> <div>$y = 3x + 6$</div> </div>	19
---	----

20

<div> <div> <div>30°</div> <div>t</div> </div> <div>degrees</div> </div>	20
---	----

21

<div> <div>cm</div> <div>125 cm</div> </div>	21
--	----

22

<div> <div>4.7</div> </div>	22
-----------------------------	----

23

<div> <div> <div>35°</div> <div>a</div> <div>70°</div> </div> <div>degrees</div> </div>	23
--	----

Time: 10 seconds continued

24		19	24
----	--	----	----

25	£	20%	25
----	---	-----	----

Time: 15 seconds

26	<div> <div> <div>Number of pupils</div> <div>Number of hours</div> </div> </div>	26
----	--	----

27

<div> </div>	27
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28

£	£1.20	28
---	-------	----

29

	250g	29
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30

and	30
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