Ma

KEY STAGE
2

LEVELS
3–5

2013

Mathematics tests

Mental mathematics

Test transcript

National Curriculum assessments

Notes for use of transcript

Instructions

In the event of CD failure, the test administrator should follow the instructions on pages 2 and 5.

1. Children should have only pens or pencils. They should not have rubbers, rulers, calculators or any mathematical equipment. Access to paper for working out answers is **not allowed**.

2. Ensure that each child has an answer sheet. Tell the children to write their name, school and DfE number in the box at the top of the answer sheet.

3. Ensure that the children understand that:

- they must complete the test on their own without copying or discussing questions with anyone else

- they will be told how long they have to answer each question and that the time given will increase from 5, to 10, to 15 seconds as the test progresses through the three sections

- for some of the questions, the information they will need is included in or beside the answer box on the answer sheet

- they are not allowed to use a calculator or any other mathematical equipment

- if they want to change their answer, they should put a cross through their first answer. They are not allowed to rub out any answers

- they should answer as many questions as they can. If they find a question too difficult, they should put a cross in the answer box and wait for the next question

- they should not write in the white boxes in the blue margins

- they will not be allowed to ask any questions once the test has started.

4. The test administrator must have access to a clock or watch that measures accurately in seconds.

Test questions

'Now we are ready to start the test.

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

	The questions
1	Write seven thousand two hundred and three in figures.
2	How many threes are there in twenty-seven?
3	What is ten pounds take away four pounds fifty?
4	What time is it half an hour before twelve fifteen?
5	What temperature is ten degrees higher than minus six degrees Celsius?

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

6	Add together five hundred and four hundred and three hundred.
7	What is the remainder when you divide fifty-nine by five?
8	What is double seventy-seven?
9	What is zero point three six added to zero point four four?
10	Look at your answer sheet. Put a ring around the measurement which is the approximate capacity of a mug.
11	Write a multiple of forty that is greater than three hundred.
12	Twelve cakes cost three pounds sixty. What is the cost of six cakes?
13	What is left when you take sixty-two pounds fifty from one hundred pounds?
14	How many sevens are there in three thousand five hundred?
15	What is three-fifths of one hundred?

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

16	Halve fifty, then halve the result.
17	Two equal angles together make a right angle. What is the size of each angle?
18	What number is exactly halfway between forty-five and ninety-five?
19	Multiply fifty-five by eleven.
20	Look at your answer sheet. What is the value of three y add two when y equals four?

'Now put down your pen or pencil. The test is finished.'

2013 Key Stage 2 mathematics: mental mathematics test

First name		Middle name	
Last name		DfE number	
School name		Total marks	

Practice question

Time: 5 seconds

1			1
2			2
3	£	£4.50	3
4		12:15	4
5		°C	5

Time: 10 seconds

6		500	6
7		59 5	7
8			8
9			9
10	30 *ml* 300 *ml* 3 *l* 30 *l* 300 *l*		10

11		40	11
12	£	£3.60	12
13	£	£62.50	13
14		3500	14
15			15

Time: 15 seconds

16		50	16
17		°	17
18		45 95	18
19		55	19
20		$3y + 2$	20

Instructions continued from page 2

5. Read out the following script, **using exactly these words**:

> *Listen carefully to the instructions I am going to give you.*
>
> *I am going to ask you 20 questions for the test. I will read each question twice. Listen carefully both times. You will then have time to work out your answer.*
>
> *On your sheet there is an answer box for each question, where you should write the answer and nothing else. Some questions are easy and some are harder, so don't worry if you cannot answer a question.*
>
> *For some of the questions, important information is already written down for you on the sheet.*
>
> *You should work out the answer to each question in your head. Do not try to write down your calculations. This will waste time and you may miss the next question. However, you may jot things down outside the answer box if this helps you.*
>
> *If you cannot work out an answer, put a cross in the answer box. If you make a mistake, cross out the wrong answer and then write the correct answer next to it.*
>
> *You will not be able to ask questions once the test has begun. If you have any questions you may ask them now.*

6. Stop and answer any questions that the children may have.

7. Read out the following:

> *I will start by reading a practice question to show you what to do.*
>
> *I will read the practice question twice. Then you will have 5 seconds to work out the answer and write it in the answer box.*
>
> *What is ten, add eleven, add twelve?*

Repeat the question.

> *What is ten, add eleven, add twelve?*

Wait five seconds (measured accurately using a clock or watch), then read out the following:

> *Now put down your pen or pencil.*

8. Ensure that the children have correctly placed their answers to the practice question on their answer sheets. Remind the children that, for some questions, information is provided in or beside the answer box. When they are ready to begin the test, tell the children that you will not be able to answer any further questions or interrupt the test once you have started reading the questions.

9. The questions are given on page 3 of this booklet. The questions must be read out exactly as written. Start by stating the question number, then read each question twice before leaving the 5, 10 or 15 second response time. **These timings must be strictly adhered to**.

10. At the end of the test, tell the children to put down their pens or pencils, then collect their answer sheets.

Standards & Testing Agency

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STA's orderline at http://orderline.education.gov.uk.