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KEY STAGE
2

LEVELS
3–5

2015
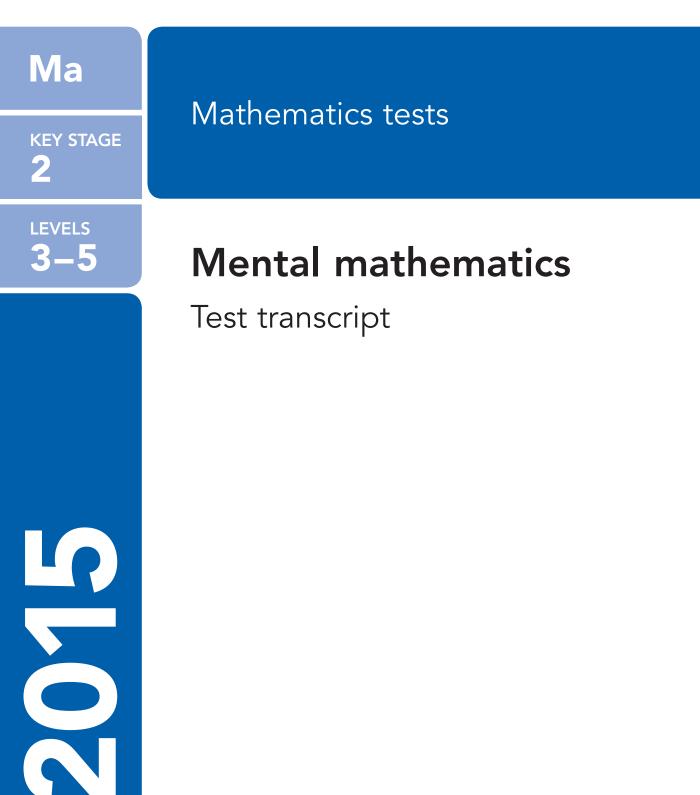
Mathematics tests

Mental mathematics

Test transcript

National curriculum tests

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. Pupils should have only pens or pencils. They should **not** have rubbers, rulers, calculators or any mathematical equipment. Pupils should not use any other paper. Any working out should be done on the answer sheet.

2. Ensure that each pupil has an answer sheet. Tell the pupils to write their name, school and DfE number in the box on the front of the answer sheet.

3. Ensure that the pupils 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 or over any barcode

    ■ 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	Add together seven and seventy-seven.
2	How many tens are there in one hundred and twenty?
3	What is one-quarter of two hundred?
4	How many minutes is it from eleven twenty-five to twelve o'clock?
5	How many grams are there in zero point one kilograms?

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

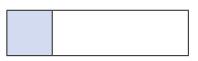|	
6	How much must be added to six pounds eighty to make ten pounds?
7	Add together eighteen and half of eighteen.
8	Subtract ten lots of ten from one thousand.
9	Look at your answer sheet. Put a ring around the decimal that is closest in value to three-quarters.
10	A number is doubled and then twenty is added to the result. The answer is sixty-four. What was the original number?
11	How many quarters are there in two and a half?
12	What is half of zero point seven?
13	Write the multiple of six that is closest to forty.
14	Subtract one point three from three point one.
15	Write three-quarters of a million in figures.

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

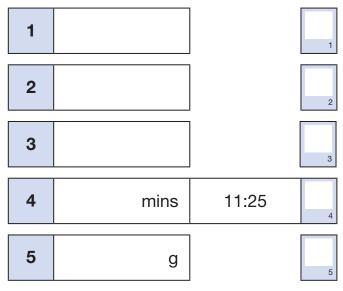|	
16	Double thirty, then subtract five, then double the result.
17	The perimeter of a rectangle is thirty centimetres. The two longer sides are eleven centimetres each. How long is each of the shorter sides?
18	Subtract fifty-four from five hundred and forty.
19	Two hundred grams of cheese cost two pounds forty pence. How much does one kilogram of cheese cost?
20	What number must you multiply by two and a half to get twenty?

'Now put down your pen or pencil. The test is finished.'
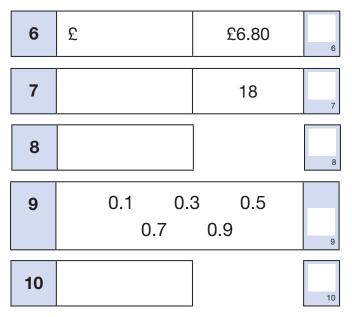
Answer sheet – reference copy

Practice question

Time: 5 seconds

1				1

2				2

3				3

4	mins	11:25		4

5	g			5

11				11

12				12

13	40			13

14				14

15				15

Time: 10 seconds

6	£	£6.80		6

7		18		7

8				8

9	0.1 0.3 0.5 0.7 0.9			9

10				10

Time: 15 seconds

16	5			16

17	cm	30cm		17

18	540			18

19	£	£2.40		19

20				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 pupils 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.

    How many months are there in one year?

    Repeat the question.

    How many months are there in one year?

    Wait 5 seconds (measured accurately using a clock or watch), then read out the following:

    Now put down your pen or pencil.

8. Ensure that the pupils have correctly placed their answers to the practice question on their answer sheets. Remind the pupils that, for some questions, information is provided in or beside the answer box. When they are ready to begin the test, tell the pupils 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 pupils to put down their pens or pencils, then collect their answer sheets.

Standards & Testing Agency

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