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KEY STAGE

2

LEVELS

3–5

Mathematics tests

Mental mathematics

Test transcript

2014

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.

Instructions continued on page 5

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 | What is half of sixty-two? |
| 2 | Write in figures the number three thousand and twenty. |
| 3 | What are nine lots of nine? |
| 4 | Subtract ninety-five from three hundred. |
| 5 | How many centimetres is one thousand millimetres? |

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

| | |
|----|---|
| 6 | Add twenty pence to nine pounds ninety-nine. |
| 7 | What time will it be forty minutes after two-twenty pm? |
| 8 | Subtract one hundred and eleven from one hundred and twenty. |
| 9 | How many halves make three and a half? |
| 10 | How much change do you get from five pounds when you buy three pens that cost one pound fifty each? |
| 11 | Look at your answer sheet. Put a ring around the decimal that is closest to a half. |
| 12 | What is the perimeter of a rectangle that measures eight centimetres by four centimetres? |
| 13 | Write the fraction ten-twelfths in its simplest form. |
| 14 | Look at your answer sheet. When d equals eight, what is the value of d multiplied by d minus d ? |
| 15 | Write the prime number that is closest to twenty-five. |

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

| | |
|----|--|
| 16 | Add together twenty-two, twenty-four and twenty-six. |
| 17 | Look at the row of six numbers on your answer sheet. Put a ring around the number that is not a factor of thirty. |
| 18 | What number is exactly halfway between two point one and three point one? |
| 19 | Multiply fifteen by twelve. |
| 20 | Twelve buns cost two pounds forty. How much will three buns cost? |

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

2014 Key stage 2 mathematics: mental mathematics test

| | | | |
|-------------|--|-------------|----------------------------------|
| First name | | Middle name | |
| Last name | | DfE number | |
| School name | | | Total marks <input type="text"/> |

Practice question

| | |
|--|----------------------|
| | <input type="text"/> |
|--|----------------------|

Time: 5 seconds

| | | | |
|---|----------------------|----------------------|----------------------|
| 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 2 | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 3 | <input type="text"/> | 9 9 | <input type="text"/> |
| 4 | <input type="text"/> | 95 | <input type="text"/> |
| 5 | <input type="text"/> | cm | <input type="text"/> |

Time: 10 seconds

| | | | | |
|----|----------------------|----------------------|----------------------|----------------------|
| 6 | £ | <input type="text"/> | £9.99 | <input type="text"/> |
| 7 | <input type="text"/> | <input type="text"/> | 40 | <input type="text"/> |
| 8 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 9 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 10 | <input type="text"/> | <input type="text"/> | £1.50 | <input type="text"/> |

| | | | |
|----|-------------------------|----------------------|----------------------|
| 11 | 0.12 0.21 0.4 0.46 0.55 | <input type="text"/> | |
| 12 | <input type="text"/> | cm | <input type="text"/> |
| 13 | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 14 | <input type="text"/> | $d \times d - d$ | <input type="text"/> |
| 15 | <input type="text"/> | 25 | <input type="text"/> |

Time: 15 seconds

| | | | |
|----|----------------------|----------------------|----------------------|
| 16 | <input type="text"/> | <input type="text"/> | |
| 17 | 1 2 3 4 5 6 | <input type="text"/> | |
| 18 | <input type="text"/> | 30 | <input type="text"/> |
| 19 | <input type="text"/> | 15 | <input type="text"/> |
| 20 | <input type="text"/> | £2.40 | <input type="text"/> |

Instructions continued from page 2

1. 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.

2. Stop and answer any questions that the children may have.
3. 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 twenty less than fifty-two?

Repeat the question.

What is twenty less than fifty-two?

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

Now put down your pen or pencil.

4. 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.
5. 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.**
6. At the end of the test, tell the children to put down their pens or pencils, then collect their answer sheets.



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Print version product code: STA/14/7040/p ISBN: 978-1-78315-161-5

Electronic PDF version product code: STA/14/7040/e ISBN: 978-1-78315-188-2

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