



**PART 3**

**ASSESS  
AND  
REVIEW  
TEST 4**

**SPRING**  
second half

**PAGE 502** Mental test: Questions

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SUGGESTED TIME **3 hours**

### NOTES FOR THE TEACHER

The following test gives pupils practice at answering the sort of questions that they will be asked in the progress test.

The mental test is the 2000 Key Stage 2 mental test.

- Each pupil needs a copy of the pupil's answer sheet.
- Read each question twice.
- Pupils can use jottings but emphasise that they are not necessary.
- Allow the stated time for each question.
- Each question is worth 1 mark.

You are advised to use previous Key Stage 2 written tests as practice. These are available on Testbase. A copy of last year's test was supplied to all schools with Year 7 pupils.

It is important that the results of the tests are used:

- to recognise pupils' progress;
- to focus future teaching on correcting misconceptions.

### MENTAL TEST: QUESTIONS

#### SECTION 1

Say to the children:

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

#### Question number 1

What is double forty-five?

#### Question number 2

Write three hundred and twenty-six to the nearest ten.

#### Question number 3

Look at the times on your answer sheet. Put a ring around the time which is the same as fourteen-thirty.

#### Question number 4

How many sevens are there in two hundred and ten?

#### Question number 5

How many metres are there in one point five kilometres?

**SECTION 2**

Say to the children:

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

**Question number 6**

How many minutes are there in an hour and a half?

**Question number 7**

What is one and a half added to four and a half?

**Question number 8**

What is the sum of twenty-three and twenty-seven?

**Question number 9**

Calculate the difference between five hundred and two hundred and thirty.

**Question number 10**

What is one hundred and five divided by five?

**Question number 11**

What is three quarters of two hundred?

**Question number 12**

What is twenty-one multiplied by nine?

**Question number 13**

Imagine a cube. How many vertices does it have?

**Question number 14**

What is four multiplied by three point five?

**Question number 15**

What is two per cent of three hundred?

**SECTION 3**

Say to the children:

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

**Question number 16**

Look at the prices on your answer sheet. What is the total cost of two adults and one child?

**Question number 17**

What is the remainder when ninety-seven is divided by five?

*continued overleaf...*

**Question number 18**

Look at your answer sheet. Put a ring around the numbers which are factors of thirty.

**Question number 19**

Look at the angle drawn on your answer sheet. Put a ring around the number which is the approximate size of the angle.

**Question number 20**

A bag of four oranges costs thirty-seven pence. How much do twelve oranges cost?

Say to the children:

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

# Mental test 4

## Pupil's answer sheet

TEST  
4

Name .....

Total marks

**SECTION 1****Time: 5 seconds each**

|   |                                       |
|---|---------------------------------------|
| 1 |                                       |
| 2 | 326                                   |
| 3 | 2.30am 4.30pm 4.30am<br>1.43pm 2.30pm |
| 4 | 210                                   |
| 5 | m                                     |

**SECTION 2****Time: 10 seconds each**

|    |                               |
|----|-------------------------------|
| 6  | minutes                       |
| 7  | $1\frac{1}{2} + 4\frac{1}{2}$ |
| 8  | 23 27                         |
| 9  | 500 230                       |
| 10 | 105                           |
| 11 |                               |
| 12 | 21                            |
| 13 |                               |
| 14 | 3.5                           |
| 15 |                               |

**SECTION 3****Time: 15 seconds each**

|    |   |   |
|----|---|---|
| 16 | £   | Cinema prices<br>Adults<br>£5.50<br>Children<br>£3.00 |
| 17 |   | 97  |
| 18 | 4 5 6 20 60 90  |   |
| 19 |  | 60° 90° 110° 135° 240°                                |
| 20 |   | 37p   |

## Mental test 4: answers

## SECTION 1

Time: 5 seconds each

- |   |                                       |     |
|---|---------------------------------------|-----|
| 1 | 90                                    |     |
| 2 | 330                                   | 326 |
| 3 | 2.30am 4.30pm 4.30am<br>1.43pm 2.30pm |     |
| 4 | 30                                    | 210 |
| 5 | 1500 m                                |     |

## SECTION 2

Time: 10 seconds each

- |    |            |                               |
|----|------------|-------------------------------|
| 6  | 90 minutes |                               |
| 7  | 6          | $1\frac{1}{2} + 4\frac{1}{2}$ |
| 8  | 50         | 23 27                         |
| 9  | 270        | 500 230                       |
| 10 | 21         | 105                           |
| 11 | 150        |                               |
| 12 | 189        | 21                            |
| 13 | 8          |                               |
| 14 | 14         | 3.5                           |
| 15 | 6          |                               |

## SECTION 3

Time: 15 seconds each

- |    |  |   |
|----|--|---|
| 16 | £14 (£14.00)   | Cinema prices<br>Adults<br>£5.50<br>Children<br>£3.00 |
| 17 | 2  | 97  |
| 18 | 4 5 6 20 60 90   |   |
| 19 |  | 60° 90° 110° 135° 240°                                |
| 20 | £1.11 (111p)   | 37p   |