



PART 3

ASSESS  
AND  
REVIEW  
TEST 1

**AUTUMN**  
first half

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### NOTES FOR THE TEACHER

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

The mental test is the trial 1997 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.

The written test includes questions from previous Key Stage 2 tests.

The questions cover work from Units 1 to 4.

- The paper should take about 30 minutes.
- Appropriate working should be shown.
- A mark scheme is included.

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

- to recognise pupil's 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

Write the number two thousand and nine in figures.

#### Question number 2

Three people share sixty pence equally.

How much do they each get?

#### Question number 3

What is fifty-six multiplied by ten?

#### Question number 4

In a survey, one quarter of people liked swimming.

What percentage of people liked swimming?

**Question number 5**

What is forty-two divided by six?

**Question number 6**

Change one hundred and forty millimetres into centimetres.

**Question number 7**

What is three point eight multiplied by one hundred?

**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 8**

What is double twenty-three?

**Question number 9**

James has thirty pence. Lesley has one pound.  
How much more does Lesley have than James?

**Question number 10**

What is five hundred and forty-eight to the nearest ten?

**Question number 11**

On your answer sheet are two numbers.  
Write down the number which is half way between them.

**Question number 12**

On your answer sheet is a scale.  
Estimate the number shown by the arrow.

**Question number 13**

A television programme starts at ten minutes to six. It lasts twenty-five minutes. At what time does the programme finish?

**Question number 14**

A shop has a half-price sale. A book was nineteen pounds before the sale. How much is it in the sale?

**Question number 15**

What is minus four (pause) added to ten?

**Question number 16**

Gary collects ten pence coins. Altogether he has eleven pounds.  
How many ten pence coins is that?

**Question number 17**

One-third of a number is twelve. What is the number?

**Question number 18**

In a group of sixty-four children, twenty-nine are boys. How many are girls?

**Question number 19**

Write the number two and a half million in figures.

*continued overleaf...*

**Question number 20**

Ten percent of a number is fourteen. What is the number?

**Question number 21**

What number is sixteen less than one hundred and three?

**Question number 22**

Write four-tenths as a decimal number.

**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 23**

The numbers on your answer sheet show how many children go to a Youth Club on three days. How many is this altogether?

**Question number 24**

Ring two numbers on your answer sheet that are factors of twenty-eight.

**Question number 25**

What is the cost of five tapes at one pound ninety-nine pence each?

**Question number 26**

What year will it be three hundred years after nineteen ninety-seven?

**Question number 27**

A pack of strawberries costs one pound forty-nine pence.  
How many packs could you buy with ten pounds?

**Question number 28**

On your answer sheet is a shape drawn on a centimetre square grid.  
Estimate the area of the shape to the nearest half square centimetre.

Say to the children:

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

# Mental test 1 Pupil's answer sheet

Name .....

Total marks

### SECTION 1

**Time: 5 seconds each**

<b>1</b>	
<b>2</b>	p
<b>3</b>	
<b>4</b>	%
<b>5</b>	
<b>6</b>	
<b>7</b>	

### SECTION 2

**Time: 10 seconds each**

<b>8</b>			
<b>9</b>	p		
<b>10</b>			
<b>11</b>		18	24
<b>12</b>		7   ↓ 8   9	
<b>13</b>			

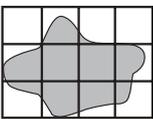
### SECTION 2 continued

**Time: 10 seconds each**

<b>14</b>	£
<b>15</b>	
<b>16</b>	coins
<b>17</b>	
<b>18</b>	girls
<b>19</b>	
<b>20</b>	
<b>21</b>	
<b>22</b>	

### SECTION 3

**Time: 15 seconds each**

<b>23</b>		17	15	20			
<b>24</b>		4	8	10	14	39	56
<b>25</b>	£						
<b>26</b>							
<b>27</b>	packs						
<b>28</b>	cm <sup>2</sup>						

## Mental test 1: answers

## SECTION 1

Time: 5 seconds

1	2009
2	20p
3	560
4	25%
5	7
6	14 cm
7	380

## SECTION 2

Time: 10 seconds

8	46
9	70p
10	550
11	21
12	7.8
13	6.15

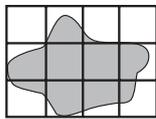
## SECTION 2 continued

Time: 10 seconds

14	£9.50
15	6
16	110 coins
17	36
18	35 girls
19	2 500 000
20	140
21	87
22	0.4

## SECTION 3

Time: 15 seconds

23	52	17 15 20
24	(4) 8 10 (14)	39 56
25	£9.95	
26	2297	
27	6 packs	
28	6 cm <sup>2</sup> (accept answers in the range 5.5 cm <sup>2</sup> to 6.5cm <sup>2</sup> )	

**Written test 1**  
**Pupil's answer sheet**

Name .....

Total marks

You have 30 minutes for this test.

**1**

Extend each sequence

(a)      10      16      22      .....      .....      ..... (1 mark)

(b)      14      23      32      .....      .....      ..... (1 mark)

(c)      -10      -8      -6      .....      .....      ..... (1 mark)

(d)      3      1      -1      .....      .....      ..... (1 mark)

**2**

$$54 - 49 = \square$$

(1 mark)

**3**

$$346 + 249 = \square$$

(2 marks)

**4**

$$843 - 227 = \square$$

(2 marks)

TEST  
1

5

John spends

How much change does he get from £1? ..... (1 mark)

6

A line is 4 cm 8 mm long.  
A second line is 6 mm longer than the first.  
How long is the second line? .....

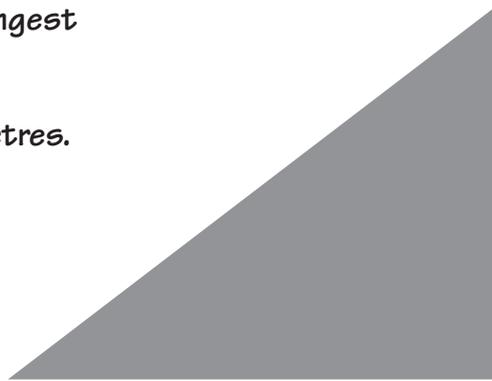
(2 marks)

7

Measure accurately the longest side of this triangle.

Give your answer in millimetres.

mm



(1 mark)

8

	temperature
midnight	<input type="text" value="-3°C"/>
breakfast time	<input type="text" value="2°C"/>

1 At what time was it coldest? ..... (1 mark)

2 What is the difference between the two temperatures? .....°C (1 mark)

9

Write in the missing number:

$$30 - 16 = 9 + \square$$

(1 mark)

10

Parveen buys three small bags of peanuts.  
She gives the shopkeeper £2 and gets 80p change.  
What is the cost in pence of one bag of peanuts?

(2 marks)

Show your  
working.  
You may  
get a mark.

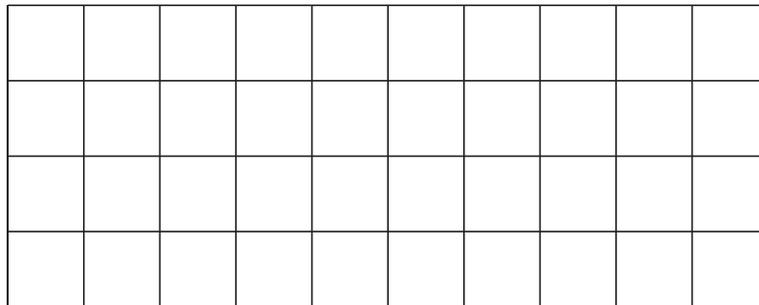
 p

11

These are centimetre square grids.

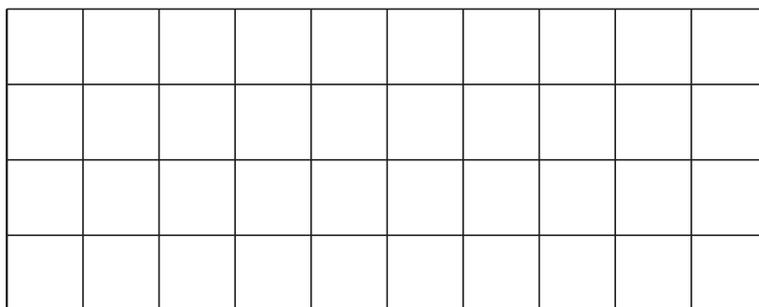
- 1 On the grid below draw a shape which has  
an area of 10 square centimetres.

(1 mark)



- 2 On the grid below draw a rectangle which has  
a perimeter of 10 centimetres.

(1 mark)



TEST  
 1

12

1 Claire puts a two-digit whole number into her calculator. She multiplies the number by 10.

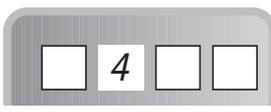
Fill in one other digit that you know must be on the calculator display.



(1 mark)

2 Claire starts again with the same two-digit whole number. This time she multiplies it by 100.

Fill in all the digits that might be on the calculator display.

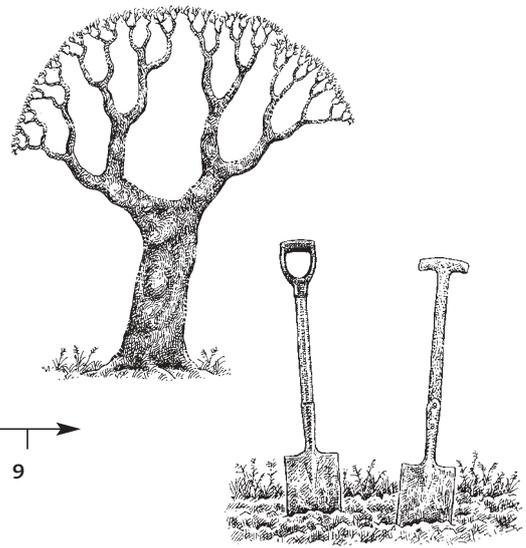
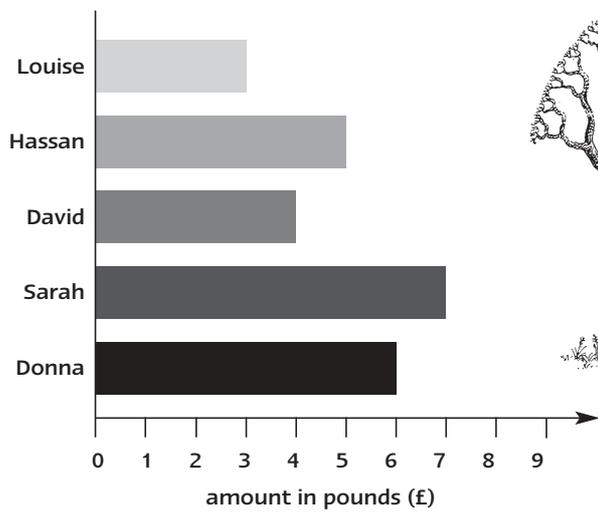


(1 mark)



13

Five children collect money to plant trees. Here is a bar chart of the amount they have raised so far:



Their target is £40 altogether. How much more money do they need to reach the target? (2 marks)

Show your working. You may get a mark.

£

## Written test 1: answers

- 1 (a) 28 34 40 (1 mark)  
 (b) 41 50 59 (1 mark)  
 (c) -4 -2 0 (1 mark)  
 (d) -3 -5 -7 (1 mark)

2 5 (1 mark)

3 595 (2 marks)

4 616 (2 marks)

5 15p £0.15 (1 mark)

6 5 cm 4 mm or 5.4 cm (2 marks)

7 82 mm (accept 81 mm or 83 mm) (1 mark)

8 1 midnight (1 mark)

2 5°C (1 mark)

9 5 (1 mark)

10 40p  $\pounds 2 - 80\text{p} = \pounds 1.20$ ,  
 $\pounds 1.20 \div 3 = 40\text{p}$  (Give 2 marks for correct answer. If answer is incorrect, give 1 mark for working that indicates they know what they are doing.) (2 marks)

11 1 Any shape with an area of 10 square centimetres (1 mark)

2 Any rectangle with a perimeter of 10 centimetres (1 mark)

12 1 

7		0
---	--	---

 (1 mark)

2 

7	4	0	0
---	---	---	---

 (1 mark)

13 £15  $\text{Sum collected} =$   
 $\pounds 3 + \pounds 5 + \pounds 4 + \pounds 7 + \pounds 6 = \pounds 25$ ,  
 $\pounds 40 - \pounds 25 = \pounds 15$  (Give 2 marks for correct answer. If answer is incorrect, give 1 mark for working that indicates they know what they are doing.) (2 marks)

Total 24 marks

