

This booklet contains **CONFIDENTIAL** test questions. It **MUST BE KEPT SECURE**. It should not be opened until the mental mathematics test is due to start. Early opening, up to one hour before the test starts, is permissible only if papers are needed for administrative purposes.

Year 7 progress test in mathematics

Mental mathematics audiotape transcript

This booklet contains a transcript of the Year 7 progress mental mathematics test. It should be used **ONLY** in cases of tape failure or for specific special arrangements made for the administration of this version of the test for pupils with sensory and/or motor disabilities.

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YEAR

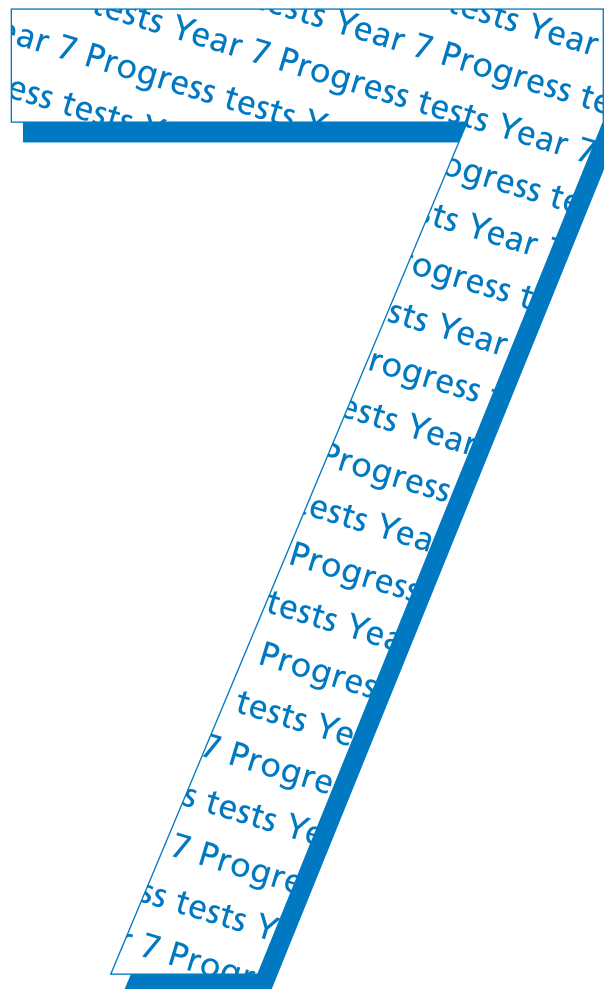
7

LEVELS

3-4

2003

2003



department for

education and skills

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'Now we are ready to start the test.'

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

1	Look at the numbers on your answer sheet. Add them.
2	Write a number that is bigger than two but smaller than three.
3	Multiply seven by four.
4	Write the next number in this counting sequence. Eight point seven, eight point eight, eight point nine,
5	Divide sixty-three by nine.

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

6	Look at the shape. It has one line of symmetry. Draw this line of symmetry.
7	Double sixteen.
8	Cans of drink are sold in packs of four. I need eighteen cans. How many packs should I buy?
9	Write down two numbers that have a difference of three.
10	A film starts at half past four in the afternoon. The film lasts for one and a half hours. At what time does the film finish?
11	Write in figures the number that is five less than two thousand.
12	The pie chart shows the proportion of pupils who walk to school. What percentage of pupils do not walk to school?
13	What is the remainder when you divide forty by six?
14	What is three-quarters of twenty-four?

'Now turn over your answer sheet.'

Year 7 progress test in mathematics 2003
Mental mathematics

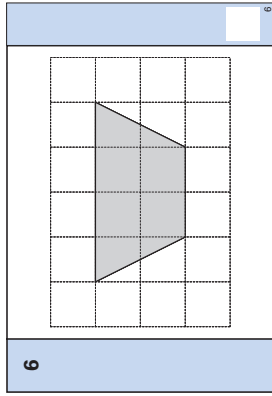
First name _____

Last name _____

School _____

Total marks

Time: 10 seconds



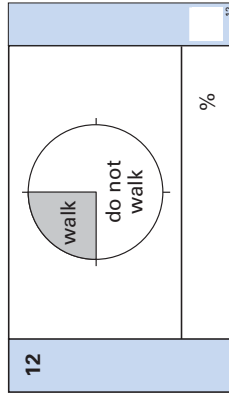
7 16

8 packs 18

9

10 pm 4:30pm

11 5



13 40

14

Practice question

60

Time: 5 seconds

1 65 25

2

3

4

5 9

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

15	The chart shows the number of games won, lost or drawn. Altogether, how many games did the team play?
16	Look at the arrow on the dial. The arrow turns through two right angles. Where will the arrow point? Draw it on the dial.
17	Look at the L-shape drawn on a centimetre square grid. What is the perimeter of this L-shape?
18	In a café I buy two cups of coffee and a sandwich. Altogether I pay three pounds. The sandwich costs one pound sixty. What is the cost of one cup of coffee?
19	Look at the triangle drawn on a square grid. Draw a rectangle that has the same area as the triangle.
20	Look at the sequence of numbers. The rule is 'multiply by three'. Write the next two numbers in the sequence.

5

<p>Time: 15 seconds</p> <p>15</p>	<p>19</p>
<p>16</p>	<p>20</p> <p>1, 3, 9, ,</p>
<p>17</p>	<p>18</p>

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