Key stage 3 mathematics 2006
Mental mathematics  Test A
First name ____________________________
Last name ____________________________
School ________________________________

Practice question

Time: 5 seconds
1. [Diagram of a ruler with a measurement of 10 cm indicated]
2. 300
3. 9
4. mm
5. –2
6. 

Time: 5 seconds continued
7. 3.68
8. 10y^2 – 3y^2

Time: 10 seconds
9. Right [Circle diagram with 4 circles indicating right answer]
   Wrong [Circle diagram with 1 circle indicating wrong answer]
10. cm
11. 13
12. [Diagram of two triangles with angles marked]
13. 2x – 8
14. 10 cm : 2 km 15 cm
15. 
16. £ 5% £ 300
**Time: 10 seconds continued**

17. 2 cm by 8 cm by 4 cm

18. m £4.50 £27

19. cm 8 cm

20. £ 1 : 3 £150

21. \( y(y - 3) \)

**Time: 15 seconds continued**

26. Number of milk bottles Frequency

<table>
<thead>
<tr>
<th>Number of milk bottles</th>
<th>Frequency</th>
</tr>
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<td>0</td>
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<tr>
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<td>3</td>
</tr>
<tr>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>

27. \( \sqrt{40000} \)

28. \( \begin{array}{c}
8 \\
\text{height}
\end{array} \)

29. \( \begin{array}{c}
2 \text{cm by 8cm by 4cm} \\
\text{cm}^3
\end{array} \)

30. 9 \times 9