

Key stage 3 mathematics 2008

Mental mathematics Test A

First name \_\_\_\_\_

Last name \_\_\_\_\_

School \_\_\_\_\_

Total marks

Practice question

		99	
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Time: 5 seconds

<b>1</b>		42	<input type="text"/>
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<b>2</b>	8      4      7	
	4      9	

<b>3</b>		$4b + 5b$	<input type="text"/>
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<b>4</b>		0.1    4	<input type="text"/>
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<b>5</b>		-2	<input type="text"/>
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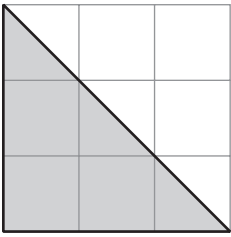
<b>6</b>		4.875	<input type="text"/>
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Time: 5 seconds continued

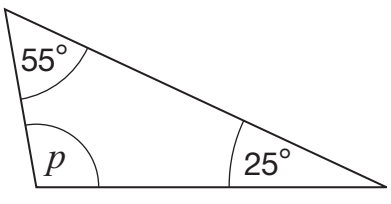
<b>7</b>		$y = 3x + 2$	<input type="text"/>
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Time: 10 seconds

<b>8</b>		300	<input type="text"/>
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<b>9</b>		
	cm <sup>2</sup>	

<b>10</b>		40    50	<input type="text"/>
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<b>11</b>		
	°	

<b>12</b>		$a = 5b - 4$	<input type="text"/>
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<b>13</b>		20%    6	<input type="text"/>
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<b>14</b>	miles	40mph	<input type="text"/>
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<b>15</b>		20	<input type="text"/>
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<b>16</b>		$3(a - 5)$	<input type="text"/>
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<b>17</b>		5.7	<input type="text"/>
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Time: 10 seconds continued

18	<table border="1"> <thead> <tr> <th>Colour</th> <th>Probability</th> </tr> </thead> <tbody> <tr> <td>red</td> <td>0.4</td> </tr> <tr> <td>green</td> <td>0.3</td> </tr> <tr> <td>blue</td> <td></td> </tr> </tbody> </table>		Colour	Probability	red	0.4	green	0.3	blue		<input type="text"/>
	Colour	Probability									
	red	0.4									
	green	0.3									
blue											
		18									

19	£	£1.20	<input type="text"/>
			19

20		$\frac{m^3}{m}$	<input type="text"/>
			20

Time: 15 seconds

21			<input type="text"/>
			21

22	$20 \times 38 = 760$	<input type="text"/>	
	$21 \times 38 =$		
			22

23		<input type="text"/>	
			23

24		<input type="text"/>	
	people		
			24

Time: 15 seconds continued

25		<input type="text"/>	
	cm		
			25

26	<table border="1"> <thead> <tr> <th>Televisions</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>2</td> </tr> <tr> <td>1</td> <td>10</td> </tr> <tr> <td>2</td> <td>10</td> </tr> <tr> <td>3</td> <td>8</td> </tr> </tbody> </table>		Televisions	Frequency	0	2	1	10	2	10	3	8	<input type="text"/>
	Televisions	Frequency											
	0	2											
	1	10											
	2	10											
3	8												
			26										

27		5 faces	<input type="text"/>
			27

28		$2\frac{3}{4}$	0.3	<input type="text"/>
				28

29		<input type="text"/>	
			29

30		$8^2$	<input type="text"/>
			30