

**Key stage 3 mathematics 2009**

**Mental mathematics Test A**

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

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

**School** \_\_\_\_\_

**Total marks**

**Time: 5 seconds continued**

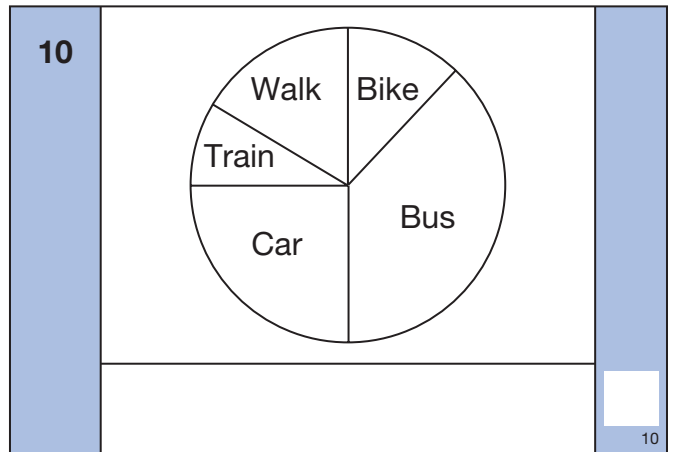
<b>6</b>		$8p^2 - p^2$	<input type="text"/>
----------	--	--------------	----------------------

<b>7</b>	cm	58cm	<input type="text"/>
----------	----	------	----------------------

**Time: 10 seconds**

<b>8</b>		$x + 7 = 22$	<input type="text"/>
----------	--	--------------	----------------------

<b>9</b>	pm	45 minutes	<input type="text"/>
----------	----	------------	----------------------



**Practice question**

		39	
--	--	----	--

**Time: 5 seconds**

<b>1</b>	m	600cm	<input type="text"/>
----------	---	-------	----------------------

<b>2</b>		36	<input type="text"/>
----------	--	----	----------------------

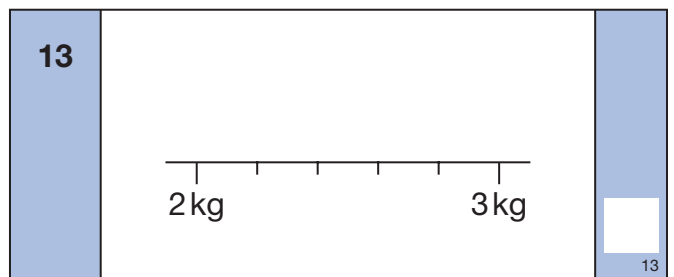
<b>3</b>			<input type="text"/>
----------	--	--	----------------------

<b>4</b>		-9 5	<input type="text"/>
----------	--	------	----------------------

<b>5</b>		0.576	<input type="text"/>
----------	--	-------	----------------------

<b>11</b>	£	50%	<input type="text"/>
-----------	---	-----	----------------------

<b>12</b>			<input type="text"/>
-----------	--	--	----------------------



<b>14</b>	%	won 55% lost 30%	<input type="text"/>
-----------	---	---------------------	----------------------

**Time: 10 seconds continued**

15	3 blue, 1 red, 4 black	<input type="text"/>

16		<input type="text"/>
	m	

17		10	20	<input type="text"/>
----	--	----	----	----------------------

18		$4(m - 3)$	<input type="text"/>
----	--	------------	----------------------

19		90	12	<input type="text"/>
----	--	----	----	----------------------

20			<input type="text"/>

21	people	12	20%	<input type="text"/>
----	--------	----	-----	----------------------

22	36 km per hour	<input type="text"/>
	km	

23		$y = 4x^2$	<input type="text"/>
----	--	------------	----------------------

**Time: 10 seconds continued**

24		$\sqrt{\frac{1}{9}}$	<input type="text"/>

**Time: 15 seconds**

25		$\frac{1}{2}$	$\frac{1}{3}$	<input type="text"/>
----	--	---------------	---------------	----------------------

26			<input type="text"/>

27		<input type="text"/>

28		Mean = 10	<input type="text"/>
----	--	-----------	----------------------

29		<input type="text"/>

30		45	<input type="text"/>
----	--	----	----------------------