

Year 9 mathematics

Mental mathematics Higher tiers test

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

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

Class \_\_\_\_\_

Date \_\_\_\_\_

Total marks

Practice question

		191	
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Time: 5 seconds

<b>1</b>	km	6650km	<input type="text"/>
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<b>2</b>		$4a + 5a$	<input type="text"/>
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<b>3</b>	°		<input type="text"/>
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<b>4</b>		$-7$	<input type="text"/>
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<b>5</b>		$6pq$	<input type="text"/>
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<b>6</b>		15 : 30	<input type="text"/>
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Time: 5 seconds continued

<b>7</b>	cm	17cm	<input type="text"/>
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Time: 10 seconds

<b>8</b>		3 5	<input type="text"/>
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<b>9</b>	10p	50p	50p	
	£1	20p	1p	
	20p	2p	20p	
				<input type="text"/>

<b>10</b>	cm	8cm	<input type="text"/>
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<b>11</b>	£	£2.15	<input type="text"/>
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<b>12</b>	3, _____, _____		<input type="text"/>
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<b>13</b>		60	<input type="text"/>
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<b>14</b>	cm	8cm	$48\text{cm}^2$	<input type="text"/>
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<b>15</b>			<input type="text"/>
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<b>16</b>		26.9	<input type="text"/>
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<b>17</b>		$y = 4x + 2$	<input type="text"/>
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Time: 10 seconds continued

18

100° 100°

30°

$m$

18

19

	8	
--	---	--

19

20

1.001	0.9	1.01
	0.99	1.1

20

21

km/h	3km	6 minutes
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21

22

	$3y(5 - y)$
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22

Time: 15 seconds

23

cm	1cm to 5km
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23

24

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24

25

1	5	4	2	1
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25

Time: 15 seconds continued

26

Drawn Won Lost

games

26

27

litres	11 litres per minute
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27

28

Number of people on the bus each morning

2	3	3	3	4	
2	6	6	7	8	9
3	0	0	0	1	3
3	5				

Key

2	3	= 23 people
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28

29

$45.27 \times 7.84$
4.92

29

30

$3k^\circ$

$2k^\circ$   $4k^\circ$

30