

Year 9 mathematics

Mental mathematics Higher tiers test

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

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

Class \_\_\_\_\_

Date \_\_\_\_\_

Total marks

Time: 5 seconds continued

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

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

Practice question

_____	191	_____
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Time: 5 seconds

1	_____ km	6650km	<input type="text"/>
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2	_____	$4a + 5a$	<input type="text"/>
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3	_____ °	_____	<input type="text"/>
---	---------	-------	----------------------

4	_____	$-7$	<input type="text"/>
---	-------	------	----------------------

5	_____	$6pq$	<input type="text"/>
---	-------	-------	----------------------

6	_____	15 : 30	<input type="text"/>
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10	_____ cm	8cm	<input type="text"/>
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11	£ _____	£2.15	<input type="text"/>
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12	3, _____, _____	_____	<input type="text"/>
----	-----------------	-------	----------------------

13	_____	60	<input type="text"/>
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14	_____ cm	8cm 48cm <sup>2</sup>	<input type="text"/>
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15	_____	_____	<input type="text"/>
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16	_____	26.9	<input type="text"/>
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17	_____	$y = 4x + 2$	<input type="text"/>
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**Time: 10 seconds continued**

**18**

18

**19**

	8		<input type="text"/>
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19

**20**

	1.001	0.9	1.01
	0.99	1.1	<input type="text"/>

20

**21**

	km/h	3km	6 minutes	<input type="text"/>
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21

**22**

		$3y(5 - y)$	<input type="text"/>
--	--	-------------	----------------------

22

**Time: 15 seconds**

**23**

	cm	1cm to 5km	<input type="text"/>
--	----	------------	----------------------

23

**24**

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

24

**25**

	1	5	4	2	1	<input type="text"/>
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25

**Time: 15 seconds continued**

**26**

games

26

**27**

	litres	11 litres per minute	<input type="text"/>
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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

28

**29**

		$\frac{45.27 \times 7.84}{4.92}$	<input type="text"/>
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29

**30**

30