

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

1	km	6650km	1
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2		$4a + 5a$	2
---	--	-----------	---

3	°		3
---	---	--	---

4		-7	4
---	--	----	---

5		$6pq$	5
---	--	-------	---

6		15 : 30	6
---	--	---------	---

Time: 5 seconds continued

7	cm	17cm	7
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Time: 10 seconds

8		3 5	8
---	--	-----	---

9	10p	50p	50p
	£1	20p	1p
	20p	2p	20p
			9

10	cm	8cm	10
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11	£	£2.15	11
----	---	-------	----

12	3, _____, _____		12
----	-----------------	--	----

13		60	13
----	--	----	----

14	cm	8cm	$48\text{cm}^2$	14
----	----	-----	-----------------	----

15				15
----	--	--	--	----

16		26.9		16
----	--	------	--	----

17		$y = 4x + 2$		17
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Time: 10 seconds continued

18

$100^\circ$   $100^\circ$   $30^\circ$   $m$

18

19

<input type="text"/>	8	<input type="text"/>
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19

20

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

20

21

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

22

<input type="text"/>	$3y(5 - y)$	<input type="text"/>
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22

Time: 15 seconds

23

<input type="text"/>	cm	1cm to 5km	<input type="text"/>
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23

24

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

25

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

25

Time: 15 seconds continued

26

Drawn Won Lost

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
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28

29

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

30

$3k^\circ$   $2k^\circ$   $4k^\circ$

30