

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	
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2			$4a + 5a$	
----------	--	--	-----------	--

3		°		
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4			-7	
----------	--	--	------	--

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

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

Time: 5 seconds continued

7		cm	17cm	
----------	--	----	------	--

Time: 10 seconds

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

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

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

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

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

14		cm	8cm 48cm ²	
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15				
-----------	--	--	--	--

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

17			$y = 4x + 2$	
-----------	--	--	--------------	--

Time: 10 seconds continued

18

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
---	---	---	---	---

25

Time: 15 seconds continued

26

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

45.27×7.84
4.92

29

30

30