

Year 9 mathematics

Mental mathematics Higher tiers test

First name _____

Last name _____

Class _____

Date _____

Total marks

Practice question

		191	
--	--	-----	--

Time: 5 seconds

1		km	6650km	
---	--	----	--------	--

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

3		$^{\circ}$		
---	--	------------	--	--

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

11	£		£2.15	
----	---	--	-------	--

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

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

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

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

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

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

Time: 10 seconds continued

18

18

19

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

19

20

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

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

25

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

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
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28

29

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

29

30

30