

**Key Stage 3 Mathematics 1997  
Sample Mental Arithmetic Higher Tiers**

Not to be sent to external marking agency

First Name .....

Last Name .....

School .....

Pupil Number

Total Marks

Practice Question

--	--

Time: 5 seconds

1.	
----	--

2.	
----	--

3.	cm
----	----

4.	
----	--

5.	
----	--

6.	£
----	---

Time: 10 seconds

7.		7.40	35
----	--	------	----

8.		$\begin{array}{c}   &   &   \\ 8.6 & 8.7 & 8.8 \end{array}$
----	--	---

9.	£
----	---

10.	
-----	--

11.		40
-----	--	----

12.		12	18
-----	--	----	----

13.	mins
-----	------



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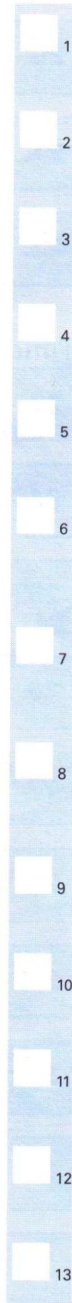
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13.	mins
-----	------



14.	degrees	
-----	---------	---

15.	
-----	--

16.	degrees
-----	---------

17.		7.12
-----	--	------

18.	$b =$	$b = 7a^2$
-----	-------	------------

19.		$125 \times 36 = 4500$
-----	--	------------------------

20.	£	£80
-----	---	-----

21.	
-----	--

22.		3 0.01
-----	--	--------

Time: 15 seconds

23.	£
-----	---

24.		8.5 14.5
-----	--	----------

25.		$39.75 \times 40.25$
-----	--	----------------------

26.	
-----	--

27.	$\text{cm}^2$
-----	---------------


28.		79% 403
-----	--	---------

29.	$y =$	$y = 2b^2 - 3b + 4$
-----	-------	---------------------

30.		$6^4 6^3$
-----	--	-----------

31.	km/h
-----	------

32.		$\frac{19.9 \times 9.95}{4.96 \times 4.12}$
-----	--	---

14.	degrees	
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