

Key stage 3 mathematics 2000  
Mental arithmetic higher tiers Test A

# Test A

Mark scheme

Time: 5 seconds

1	995	Do not accept responses given in words.
2	300	
3	99	
4	0.2	Accept equivalent probabilities.
5	7200	
6	$10^3$	Do not accept $10 \times 10 \times 10$ .

Time: 10 seconds

7	N E S <b>W</b>	
8	42	
9	126	
10	circle	Accept correct alternatives, eg ring, round, circular. Do not accept a diagram.
11	$\pounds 12.50 \leq \text{answer} \leq \pounds 13.50$	
12	$\pounds 12$	
13	20	
14	468	
15	18 cm <sup>2</sup>	
16	4	Do not accept incomplete processing, eg $\frac{8}{7}$

# Higher tiers Test A mark scheme continued

Time: 10 seconds

17		
	$24 \% \leq \text{answer} \leq 26 \%$	

18	0.4	
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19	$x^2 + 5x$	
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20	trapezium	
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21	81	
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24	9.35	Ignore reference to time of day, eg am or pm.
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25		
	32	

26	£ 20	
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27	25	
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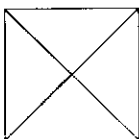
Time: 15 seconds

22		
	$400 \text{ m} \leq \text{answer} \leq 600 \text{ m}$	

28	25p or £0.25	The appropriate unit <b>must</b> be shown.
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29	42 km/h	
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30	$\frac{3}{4}$	Accept equivalent fractions, decimals, percentages or negatives.
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23	 <p>B</p>	Accept any unambiguous indication, eg correct response on diagram A
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