Time: 10 seconds Key stage 3 mathematics 2004 Mental mathematics higher tiers Test A 6 300 minutes 40 % 7 Do not accept equivalent fractions or decimals Test A Mark scheme 60 8 Accept equivalent 9 fractions or 0.42(...) 20 10 Time: 5 seconds $\frac{3}{10}$ 1 8 11 Accept equivalent probabilities 2 6 f 2.25 12 2.43 3 Accept equivalent 30° 13 fractions or decimals 4 Area **- 7** 14 Do not accept 7-Do not accept $6n^2$ 5

unsimplified expressions,

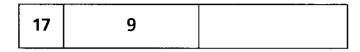
eg $6 \times n^2$

360°

15

Time: 10 seconds continued

16 10 lengths	
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Accept equivalent formulae, eg
$$\pi \times r \times r$$
, $A = \pi r^2$

19
$$k = 2m + 1$$
 Accept equivalent equations, eg $2 \times m + 1 = k$

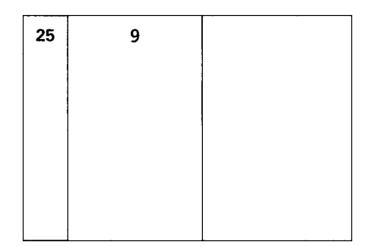
Time: 15 seconds

22 3 and 9 Accept in either order

23	61 %	Do not accept equivalent fractions or decimals
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Time: 15 seconds continued





26	50	Accept 50°
		·

27	Hexagon	Do not accept a description of a hexagon,
		eg 6-sided

Any three numbers that total 30 and have a range of 2 eg 9, 10, 11

29	30 cm ²	

30	199	