

## Topic Test 6 – 20 Minutes

Q	Answer	Mark	Comments
1	'number of sisters' <b>and</b> 'number of pets' circled	B2	B1 for only one of 'number of sisters' or 'number of pets' circled
2(a)		M1	For rearranging data in order
	23	A1	
2(b)	$\sum x \div 9$	M1	$225 \div 9$
	25	A1	
2(c)	42-15	M1	
	27	A1	
3	4,12,12,12 Or alternative answer satisfying all three criteria	B3	B1 for 4 numbers with a mean of 10 B1 for 4 numbers with a mode of 12 B1 for 4 numbers with a range of 8
4(a)	25-20	M1	
	5	A1	
4(b)	21	B1	
5(a)	Indicates $\frac{40+1}{2}$ or 20.5 <sup>th</sup> value to find the median	M1	
	$64 < w \leq 72$	A1	
5(b)	Correct midpoints seen	M1	At least 3 of 52,60,68,76,84,92 seen
	$(52 \times 5) + (60 \times 7) + \dots + (92 \times 3)$	M1	$\sum fx$ At least two products summed
	$2832 \div 40$	M1 dep	Dep on 2 <sup>nd</sup> M1 Their $\sum fx$ divided by their 40
	70.8	A1	