Topic Test 7 – Statistical Measures

Q	Answer	Mark	Comments
1(a)	'7' correctly circled	B1	
	'5' correctly circled	B2	B1 for 50 ÷ 10 seen
1(c)	'9' correctly circled	B1	
1(d)	'5' correctly circled	B2	B1 for putting values in numerical order

Q	Answer	Mark	Comments
2(a)	$\frac{7+4+2+2+5}{5}$ or $\frac{20}{5}$	M1	
	4	A1	
2(b)	Their 4+15 or 95 ÷ 5	M1	
	19	A1	

Q	Answer	Mark	Comments
3(a)	7+5+8+9+4 (=33)	M1	$\sum$ Labradors scores
	(33 ÷ 5 =) 6.6	A1	
	Labradors range = 5	B1	
	Conclusion using data making comparisons between the Alsatians and Labradors mean and range with the information clearly set out	B2	e.g. Labradors have a higher mean score and a smaller range showing that they scored better on average and are more consistent which supports the hypothesis. B1 for a partial conclusion/clarity
3(b)	Two valid statements	B2	Larger sample size More samples Different training classes Or any valid suggestion