

Topic Test 4 – 20 Minutes

Q	Answer	Mark	Comments
1	'weight of a book' circled	B1	
2(a)	7	B1	
2(b)	Values in numerical order	M1	
	8	A1	
2(c)	Mode (or the answer to (a)) as more of these will/have been sold/it is the most common size	B1	oe
3	Mode = 5	B1	
	Mean = $24 \div 4 = 6$	M1	
	Clare is correct as mean > mode	A1	oe valid explanation
4(a)	25	A1	
4(b)	Indicates $\frac{25+1}{2}$ or 12.5 th value to find the median	M1	
	1	A1	
4(c)	(0x4), (1x10),...	M1	0,10,10,12,8
	$\frac{(0 \times 4) + (1 \times 10) + \dots + (4 \times 2)}{4 + 10 + \dots + 2}$	M1 dep	$\sum fx = 40$ $\sum f = 25$ (either correct or working shown)
	1.6	A1	
4(d)	6	A1	4+2=6

Q	Answer	Mark	Comments
5	Correct midpoints seen	M1	At least 3 of 1,3,5,7,9 seen
	$(1 \times 10) + (3 \times 12) + \dots + (9 \times 17)$	M1	$\sum fx$ At least two products summed
	$440 \div 80$	M1 dep	Dep on 2 nd M1 Their $\sum fx$ divided by their 80
	5 minutes 30 seconds	A1	Accept 5.5 minutes oe