Topic Test 1 Mark Scheme
Scatter graphs - Foundation

Q	Answer	Mark	Comments
1(a)	24	B1	
1(b)	Circles the point at (58, 28)	B1	

Q	Answer	Mark	Comments
2(a)	Correctly plots (175, 160)	B1	± ½ square
2(b)	Straight ruled line of best fit	B1	(50, 225 - 275) and (275, 75 - 125)
2(c)	[165, 225]	B1ft	ft their line of best fit.
2(d)	None as it may be a rest day or he was injured. or the data would be an outlier and could be ignored.	B1	Any sensible comment.

Q	Answer	Mark	Comments
3(a)	The higher the mark in the first examination, the higher the mark in the second examination.	B1	oe
3(b)	26	B1	

Q	Answer	Mark	Comments
4	Links middle graph to weak positive correlation	B1	
	Links bottom graph to Little or no correlation	B1	

Q	Answer	Mark	Comments
5(a)	**B**	B1	
5(b)	**A** because there is no correlation	B1	oe

Q	Answer	Mark	Comments
6	Straight ruled line of best fit	B1	Through (5, [0.86, 0.92]) and (30, [0.18, 0.22])
	Reads from the vertical scale at 0.4	M1	Evidence may be on graph
	24	A1ft	Tolerance ± ½ square ft their line of best fit SC2 line of best fit drawn and distance read from 0.6 on vertical axis

Q	Answer	Mark	Comments
7(a)	Straight ruled line of best fit	B1	Through (4.45, 5.15 – 5.30) and (5.25, 5.50 – 6.05)
	5.44	B1ft	± ½ square ft their line of best fit
	32	B1ft	ft their 5.44 – 5.12
7(b)	Outside range of scatter graph	B1	
	Traffic/Road conditions will have changed	B1	