




Topic Test 1 Mark Scheme

Collecting and representing data - Foundation

Q	Answer	Mark	Comments
1	 represents 10 members	B1	
	 	B2	B1 either row correct or correct ft from their key
2(a)	Bar for Beth drawn up to 28 and bar for Cal drawn up to 22 with both correct width aligned correctly	B2	B1 correct bars with incorrect widths and/ or aligned incorrectly or two bars that total 50 or two bars with a difference of 6 or 28 and 22 seen
2(b)	27 seen	B1	
	their $27 \times (5 - 1.5(0))$ or 135 or $40.5(0)$	M1	oe
	94.50	A1	94.5 scores B1M1A0
3(a)	4	B1	
3(b)	$(5 \times 0 +) 6 \times 1 + 4 \times 2 + 3 \times 3 + 1 \times 4 + 1 \times 5$ or $(0 +) 6 + 8 + 9 + 4 + 5$ or 32	M1	Allow one error or omission
	8	A1	

Q	Answer	Mark	Comments
4(a)	25	B1	
4(b)	Correct comparison of College A with one or more other colleges	B1	eg The number of students at A were the same as (the total) number in B, C and D Students in A were twice students in C Students in A were three times students in D
4(c)	$D = 60^\circ$ or $\frac{1}{6}$ or $1^\circ = 20$ or $10^\circ = 200$ or $B = 600$ or $C = 1800$ or $A = 3600$	B1	Allow $\pm 1^\circ$ This mark may not be seen but may be implied by other work
	$360 \div \text{their } 60 \times 1200$ or 6×1200 or 1800×4 or $600 + 1800 + 3600 (+ 1200)$ or $(600 + 1800 + 1200) \times 2$	M1	oe
	7200	A1	Accept integer in range [7322, 8471] if their angle is $\pm 1^\circ$