	Mean, Median, Mode and Range L2 Mark Scheme	
1(a)	$9+5+1+4+8+6+2+11+4+3=53$ **and** $53 \div 10$	[1]
	5.3	[1]
1(b)	Ordered list: $1, 2, 3, 4, 4, 5, 6, 8, 9, 11$ **Or** $\frac{4+5}{2}$	[1]
	4.5	[1]
1(c)	4	[1]
1(d)	10	[1]
2(a)	$11+2+6+7+9+7+8+4+12+10+5+3+7+8+6=105$ **and** $105 \div 15$	[1]
	7	[1]
2(b)	Ordered list: $2, 3, 4, 5, 6, 6, 7, 7, 7, 8, 8, 9, 10, 11, 12$	[1]
	7	[1]
2(c)	7	[1]
2(d)	10	[1]
2(e)	No, because the minimum score for two dice is 2 and the maximum score is 12	[1]
3(a)	$29+34+32+26+25+37+30+27+22+26+29+31=348$ **and** $348 \div 12$	[1]
	29 mph	[1]
3(b)	Ordered list: $22, 25, 26, 26, 27, 29, 29, 30, 31, 32, 34, 37$	[1]
	29 mph	[1]
3(c)	26 mph and 29 mph	[1]
3(d)	15 mph	[1]

4(a)	$8.3 + 9.8 + 9.1 + 10.8 + 11.1 + 9.5 + 12.5 + 10.8 + 13.2 + 10.2 = 94.5$ **and** $105.3 \div 10$	[1]
	10.53 kg	[1]
4(b)	Ordered list: $8.3, 9.1, 9.5, 9.8, 10.2, 10.8, 10.8, 11.1, 12.5, 13.2$ **Or** $\frac{10.2 + 10.8}{2}$	[1]
	10.5 kg	[1]
4(c)	10.8 kg	[1]
4(d)	4.9 kg	[1]
5(a)	$16 + 22 + 34 + 25 + 62 + 36 + 26 + 12 + 29 + 9 + 41 + 55 + 34 + 19 = 420$ **and** $420 \div 14$	[1]
	30 years old	[1]
5(b)	Ordered list: $9, 12, 16, 19, 22, 25, 26, 29, 34, 34, 36, 41, 55, 62$ **Or** $\frac{26 + 29}{2}$	[1]
	27.5 years old	[1]
5(c)	53	[1]
5(d)	The range is decreased.	[1]
6(a)	$5200 + 4350 + 3650 + 5200 + 3900 + 2450 + 6000 + 5200 + 3650 = 28350$ **and** $39600 \div 9$	[1]
	£4400	[1]
6(b)	Ordered list: $2450, 3650, 3650, 3900, 4350, 5200, 5200, 5200, 6000$	[1]
	£4350	[1]
6(c)	£5200	[1]
6(d)	£3550	[1]
6(e)	The mean would increase as £3900 is less than the original mean (£4400).	[1]

7(a)	$11.1 + 8.5 + 5.8 + 10.6 + 10.9 + 11 + 5.5 + 6.1 + 7.9 = 77.4$ $77.4 \div 9$	[1]
	8.6 g	[1]
7(b)	Ordered list: $5.5, 5.8, 6.1, 7.9, 8.5, 10.6, 10.9, 11, 11.1$	[1]
	8.5 g	[1]
7(c)	5.6 g	[1]
8(a)	$0 + 4 + 9 + 7 + 0 + 0 + 2 + 3 + 14 + 15 + 2 + 1 + 0 + 6 + 0 + 2 + 5 + 10 + 29 + 8 = 117$ **and** $117 \div 20$	[1]
	5.85 minutes	[1]
8(b)	Ordered list: $0, 0, 0, 0, 0, 1, 2, 2, 2, 3, 4, 5, 6, 7, 8, 9, 10, 14, 15, 29$ **or** $\frac{3 + 4}{2}$	[1]
	3.5 minutes	[1]
8(c)	0 minutes	[1]
8(d)	29 minutes	[1]