



CHAPTER 6: STATISTICS



Paper 2

Solution to Question 13

(a)

Mass (kg)	Frequency	Midpoint	Upper Boundary
30 – 34	5	32	34.5
35 – 39	6	37	39.5
40 – 44	9	42	44.5
45 – 49	8	47	49.5
50 – 54	7	52	54.9
44 – 59	5	57	59.5

(b)

(i) Modal class = 40 – 44

(ii) Class interval = 34.5 – 29.5
= 5

(iii) Mean mass = $\frac{5 \times 32 + 6 \times 37 + 9 \times 42 + 8 \times 47 + 7 \times 52 + 5 \times 57}{40}$
= $\frac{1\ 785}{40}$
= 44.625 kg

(c)

