

4.

weight (in g)	no. of packets $f_i$	class Marks $x_i$	$u_i = \frac{x_i - a}{h}$	$f_i u_i$
200-201	13	200.5	-2	-26
201-202	27	201.5	-1	-27
202-203	18	202.5 = a	0	0
203-204	10	203.5	1	10
204-205	1	204.5	2	2
205-206	1	205.5	3	3
	70			-38

$$\begin{aligned}
 \text{Mean} &= a + \frac{\sum f_i u_i}{\sum f_i} \times h \\
 &= 202.5 + \frac{-38}{70} \times 1 \\
 &= 202.5 - 0.54 \\
 &= 201.96 \text{ g}
 \end{aligned}$$