Minh Duy IIITSB22029

① Mean $= \dfrac{5+11+9+5+10+15+6+10+5+10}{10} = 8.6$

Median $= 5, 5, 5, 6, \boxed{9, 10}, 10, 10, 11, 15$

$= \dfrac{9+10}{2} = 9.5$

Mode $= 5, 10$

② a) Mean $= \dfrac{7.3 + 8.6 + 10.4 + 16.1 + 12.2 + 15.1 + 14.5 + 9.3}{8} = 11.475$ mili grams

b) $(7.3 - 11.475)^2 = 18.116$

$(8.6 - 11.475)^2 = 8.267$

$(10.4 - 11.475)^2 = 1.166$

$(16.1 - 11.475)^2 = 21.3915$

$(12.2 - 11.475)^2 = 0.527$

$(15.1 - 11.475)^2 = 13.266$

$(14.5 - 11.475)^2 = 9.117$

$(9.3 - 11.475)^2 = 4.777$

Variance

$= \dfrac{18.116 + 8.267 + 1.166 + 21.315 + 0.527 + 13.266 + 9.117 + 4.777}{8}$

$= \dfrac{75.531}{8} = 9.566$