

Name: _____

Class: _____

Exercise

Topic: Statistics and Probability

Ali bought 5 watermelons. The weight of each watermelon is 9kg, 8kg, 8kg, 5kg, 10kg.

Arrange the weight of the 5 watermelons in ascending order

 , , , ,

State the mode of the weight of the watermelons.



Find the median of the weight of the 5 watermelons bought by Ali.

What is the mean of the weight of the watermelons?

$$\text{Mean} = \frac{9 + 8 + 8 + 5 + 10}{5}$$

 $= \frac{\boxed{41}}{5}$

Calculate the range.

$$\text{Highest weight} - \text{Lowest weight} = \boxed{10} - \boxed{5}$$

$$= \boxed{5}$$

If Ali bought another watermelon with weight 8kg, calculate the new mean.

$$\text{Mean} = \frac{\boxed{9} + \boxed{8} + \boxed{8} + \boxed{5} + \boxed{10} + \boxed{8}}{6}$$

$$= \boxed{7.5}$$