Chapter 2 Warm-Up

Section 2.1 Warm-Up

1. Arrange the data set in ascending order. Then, state which data values are in the upper half of all the values.

62, 75, 51, 63, 70, 58, 67, 72

2. Calculate the mean of the data set.

−3, 6, −1, 10, 8, −4, −2

3. Estimate the value of n. Then, calculate.
   a) 30% of 60 is n
   b) 45% of 90 is n
   c) 75% of 150 is n

4. Place the data in a frequency table with tally marks and frequency.

5, 6, 8, 9, 8, 7, 8, 8, 5, 6, 7, 8, 9, 8, 9, 7

Size	Tally	Frequency
5		
6		
7		
8		
9		

5. Rearrange to solve for the variable.
   a) $12 = \dfrac{14 + 11x}{3}$
   b) $\dfrac{50y - 20}{4} = 20$

Section 2.2 Warm-Up

1. Determine the mode for the data set.

Size	Frequency
6	19
8	22
10	18
12	13
14	10

2. The mode of the data set is 25. Determine the missing value.

21, 25, 24, 23, 24, 25, 26, 28, n, 23

3. Determine the median for the data set.

Stem (tens)	Leaf (ones)
3	1 8 7 4
4	2 7 9 5 0 8
5	0 9 2 3

4. Determine the mean of the data set: 1.5, 2.8, 1.7, 2.4, 2.1.

5. Determine the weighted mean for the data set.

Course Work	Weighting (%)	Mark (%)
Assignments	20	80
Tests	50	70
Exam	30	70

Section 2.3 Warm-Up

1. Determine the range of the data set: 8, 5, 17, 9, 10, 8, 12, 13.

2. Identify the outlier(s) in the data set: 81, 77, 85, 82, 60, 79, 80, 79.

3. Calculate the mean of the data set: 25, 20, 21, 25, 24, 26, 22, 25.

4. Remove the highest and lowest values to calculate the trimmed mean of the data set: 65, 63, 96, 61, 59, 32, 64.

5. Determine the 50th percentile of the data set: 31, 22, 65, 41, 60, 55, 72.