2016 Week 3 Investigation

Q1. The following temperatures (˚C) were recorded over a 3-week period.

17	19	20	21	24	18	19	20	22	21	24
23	22	19	18	22	19	23	25	21	20	

a) Complete a frequency distribution table with these headings for this information.

Score	Tally	Frequency	Frequency × score

b) From the table, find the mode and the range of these temperatures.

c) Calculate the mean temperature.

d) Draw a frequency histogram for this information.

Q2. Complete the frequency distribution table.

Score	Tally	Frequency	Frequency × score
5		4	20
6	𝍸 |		
7		9	
8			88
9	𝍸		
10			30
	Total		

a) What is the modal score?

b) Find the range of these scores.

c) Calculate the mean (correct to two decimal places).