

Unit 5: Organization of Data for Analysis				
5.00	Prerequisite Skills			
Learning Goals	I know how to identify and analyse graphs.	1	2	3
	I know how to use a spreadsheet to create graphs.	1	2	3
5.10	Data Concepts and Graphical Summaries			
Learning Goals	I can show how data are used and misused in statistical studies.	1	2	3
	I can identify different types of data.	1	2	3
	I understand that there is variability in data.	1	2	3
	I can see that you can analyse single sources of data or related sources.	1	2	3
5.20	Principles of Data Collection			
Learning Goals	I can distinguish between a population and a sample.	1	2	3
	I understand why sampling a population can give information about that population.	1	2	3
	I understand that when sampling data the results can vary.	1	2	3
	I can sample data in various ways.	1	2	3
5.30	Collecting Data			
Learning Goals	I can collect primary data by designing surveys and experiments.	1	2	3
	I can describe the characteristics of an effective survey.	1	2	3
5.40	Interpreting and Analysing Data			
Learning Goals	I can distinguish between primary and secondary sources of data.	1	2	3
	I can distinguish between microdata and aggregate data.	1	2	3
	I can collect and analyse data from primary and secondary sources.	1	2	3
	I can collect and analyse data obtained through experimentation.	1	2	3
5.50	Bias			
Learning Goals	I can distinguish among types of bias when sampling data.	1	2	3
	I can analyse and interpret statistics presented by the media to judge their validity.	1	2	3
	I can identify different ways that graphical data can be misleading.	1	2	3
5.60	Review			
5.65	Extra Review (if necessary)			
5.70	Test			

After each lesson grade yourself from one to three on each learning goal based on the criteria below. This will help you to build a review plan for the end of unit assessment.

- 1. I need extra help with this concept**
- 2. I need more practice with this concept**
- 3. I can teach this concept to someone else**

Unit 5 – Organization of Data for Analysis

5.00 – MHR Page 194 #s 1 – 7

5.10 – MHR Page 203 #s 1 – 6

5.20 – MHR Page 210 #s 1 – 8

5.30 – MHR Page 219 #s 1 – 5 & 6abc

5.40 – MHR Page 230 #s 1, 4 & 6abc

5.50 – MHR Page 240 #s 1, 2, 4, 6, 7, 12 & 13abcd

5.60 – MHR Page 244 #s 1 – 8

5.65 – MHR Page 246 #s 1 – 5, 8 & 9

5.70 – **TEST – Organization of Data for Analysis**