Title: Graphical representations

Instruction:

Complete the steps listed below to create a series of graphical representations.

Required:

1. **Create** a new workbook and **save** as graphical representations.

2. **Copy** and **paste** each dataset onto a new worksheet.

3. **Create** a graphical representation of each of the datasets shown below, using an appropriate graph type from the list below:

   - Bar graph
   - Column graph
   - Histogram
   - Line graph
   - Pie chart

   Note: Try and use each graph type once in the activity.

   Note 2: We will create an infographic in a separate activity.

4. **Apply** appropriate conventions to each of the graphs.

5. **Save** the workbook.

Data Set 1

Westpac needs to analyse their share price for each month, for the last six months, to see if the share price is improving.

Date	3-Sep-16	1-Oct-16	1-Nov-16	3-Dec-16	1-Jan-16	1-Feb-16
Price	24.77	24.88	25.30	25.43	26.04	28.13

Data Set 2

Jessica runs a shop. She wants to know what proportion of sales each brand of ice cream produced of overall sales.

Brand	Magnum	Calippo	Cornetto	Icy Pole	Others
Sales	4 560	3 500	2 600	5 600	700

Data Set 3

Peter Jones is completing a task for Health and Human Development and needs to graph and compare the percentage of adults in each country who smoke. He has provided the following data:

Country	USA	UK	Canada	Netherlands	Australia
Smoking Rate	20%	22%	16%	34%	15%

Data Set 4

A survey was conducted asking commuters on Melbourne public transport services what was one thing they didn't like about public transport in Melbourne.

The number of responses in each group is listed below:

Dislike group	Cost $	Lateness	Safety	Unclean	Nothing
Number of responses	40	22	33	27	3

Data set 5

The population of the following countries is as follows:

Country	Australia	Indonesia	Sri Lanka	Singapore	Malaysia
Population	24641662	263510146	20905335	5784538	31164177