

# Investigation 5 iFlakes

Name: \_\_\_\_\_ Due date: \_\_\_\_\_

		Step	Ability to...	A	B	C	D	E
Proficiency strands	Understanding, Fluency and Problem Solving		Collect class data on favourite cereals and record on a dot plot.	Created an efficient method to collect the class data. Used a dot plot with an appropriate heading and clearly labelled axes to accurately record all data.	Used a reasonable method to collect the class data. With prompting created a dot plot with an appropriate heading and labelled axes. Corrected any errors when plotting the data collected.	Needed some help to find a suitable way to collect the class data and create a dot plot, which contained a heading and labelled axes. Made only minor errors when plotting data.	Had difficulty collecting the class data. Needed to be reminded of the features of a dot plot. Information was not always plotted correctly.	Did not collect their own class data. Was unable to design a dot plot with the correct features or plot the information recorded.
			Collect and record the nutritional information from six cereal boxes.	Efficiently collected and recorded the nutritional information. Converted all quantities to equivalent percentages correctly.	Corrected any errors when converting quantities to percentages and recording the nutritional information.	Needed assistance to convert all quantities to equivalent percentages and record the nutritional information.	Had significant difficulty converting the quantities to equivalent percentages and recording these accurately in the table.	Was unable to collect and record the nutritional information. Did not convert the quantities to percentages.
		Construct five different column graphs that show the percentages of ingredients.	Designed column graphs with appropriate headings and clearly labelled axes. Independently calculated suitable intervals which allowed the data to be recorded and easily interpreted. All research data was plotted accurately.	Designed column graphs with headings and clearly labelled axes. Needed only a little prompting to calculate suitable intervals. Needed only minor assistance to plot the research data accurately for easy interpretation.	The column graphs contained headings and labelled axes. Needed help to determine the best intervals for the graphs and to accurately plot the research data on the column graphs.	Needed to be reminded of the features of column graphs eg headings, labelled axes, and intervals. Needed to have the intervals determined. Attempted to plot research information correctly with limited success.	Was unable to design column graphs with the correct features. Made no attempt to plot the research information.	
	Reasoning		Choose the best three cereals and justify their choice.	Explained in detail the process for selecting the three 'best' cereals. Was able to describe what was meant by 'best'. Gave detailed reasons for their choice of cereals by referring to the relevant information on the data table and graphs.	Made some references to the information on the data table and graphs when describing how they selected the three best cereals. Provided some logical reasons for the choice of cereals.	Explained briefly how the information on the data table and graphs was used to select the three best cereals. Made a recommendation for the choice of cereals. Gave some simple reasons for their choices.	Had some difficulty explaining what the data table and column graphs were indicating. Made a recommendation for the choice of cereals but was not able to rely on any results to justify it.	Was unable to explain what the data table and column graphs were indicating. Did not make a recommendation.

Rubric

## Teacher comments

Overall rating

