

# Understand Data

## Create A Bar Graph

### Activity

Students will collect data based on questions that they formulate in small groups. The data collected will be presented in a table for easy reading. They will then use the table information to produce a bar graph, and then explain the bar graph and what it represents to their classmates.

### Objectives

Students will be able to

- Read and interpret data from bar graphs
- Use different scales on axis
- Solve 1–step problems using data from bar graph
- Interact with others to construct knowledge, and new understandings and ideas








### Extensions

Students can

- Plot the same data in a 3D graph
- Explore with other types of graphs (such as pie graphs) and observe how data can look different when presented in another manner
- Add audio recording to their graph to explain how the data was interpreted

## Have a go



- 1 Open  . Tap on +, then  and select the first bar graph  . It will appear on the slide. Tap on it and select Edit Data.
- 2 Tap on the cell with Region 1 and Region 2 and rename it (e.g. boys and girls). Then, tap on April, May, June and July and rename them too (e.g. apples, pears, oranges, melons).
- 3 Change the numbers based on the data that you have collected. Tap on Done.
- 4 Observe the graph and see if it makes sense - articulate which is the most and which is the least. See if the numbers tally (e.g. if you are counting your friends, the total number should not be .5).
- 5 Tap on the graph, then  and select Chart. You can change the colour of the graph.
- 6 Tap on +, then  , and you can select Drawing  . The toolbar will appear  . Select a pen to indicate which is the most and least.

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