

Discussing Data

You need ★ a computer spreadsheet/graphing program ★ a classmate

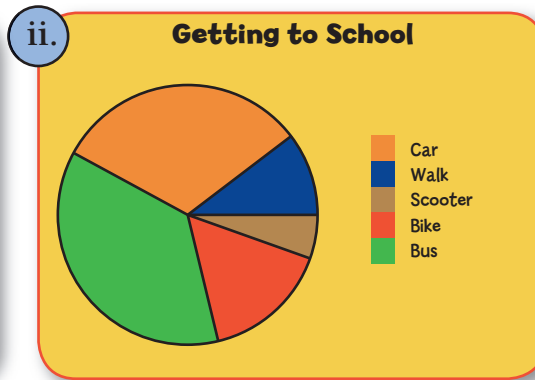
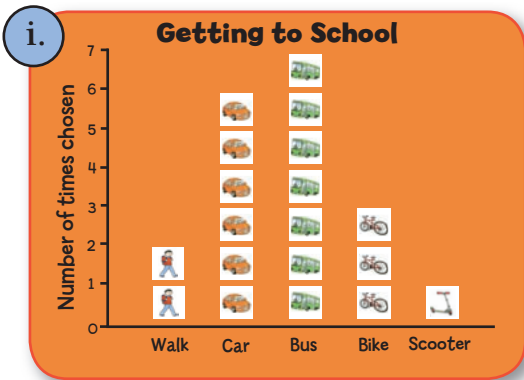
Activity

It can be hard to choose the best way to show data. Areta, Leilani, and Rory each surveyed some of their classmates. Then they tried different graphs and tables to display the data they collected in their investigations.

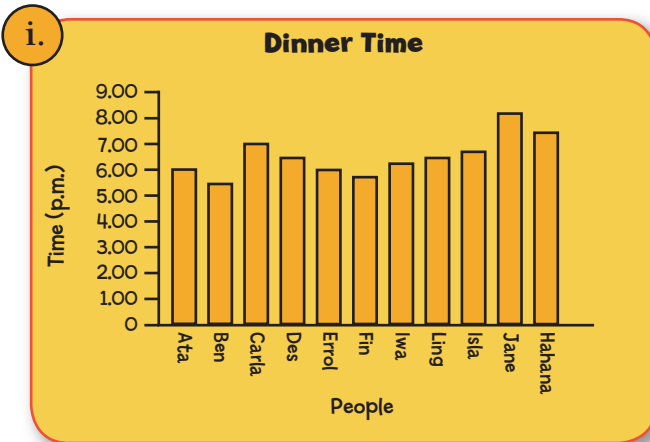
For each investigation, decide which graph or table most clearly answers the question. Discuss your reasons with a classmate.



1. Areta's investigation: How do students get to school?



2. Leilani's investigation: What time do students usually begin dinner?



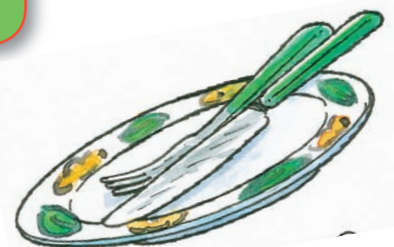
ii. Dinner Time

Person	Time (p.m.)
Ata	6.00
Ben	5.30
Carla	7.00
Des	6.30
Errol	6.00
Fin	5.45
Iwa	6.15
Ling	6.30
Isla	6.45
Jane	8.15
Hahana	7.30



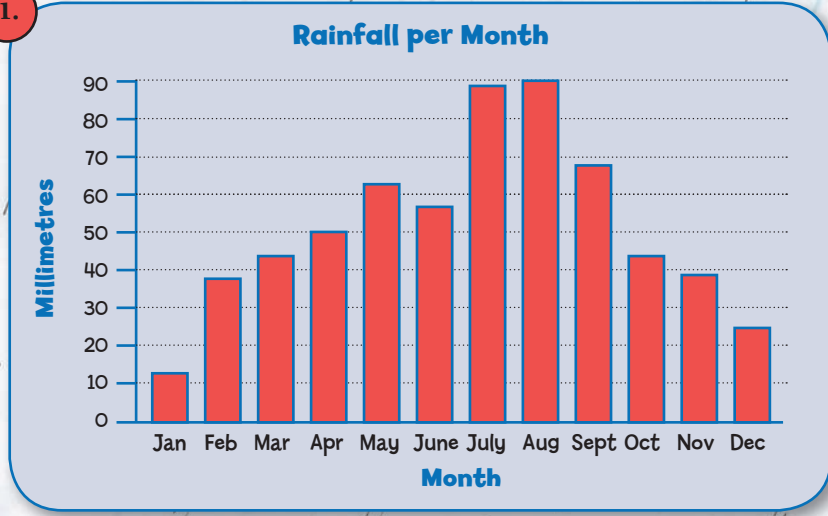
iii. Dinner Time

Hour (p.m.)	Minute
5	30 45
6	00 00 15 30 30 45
7	00 30
8	15



3. Rory's investigation: How much more rain falls in the wettest month than in the driest month?

i.

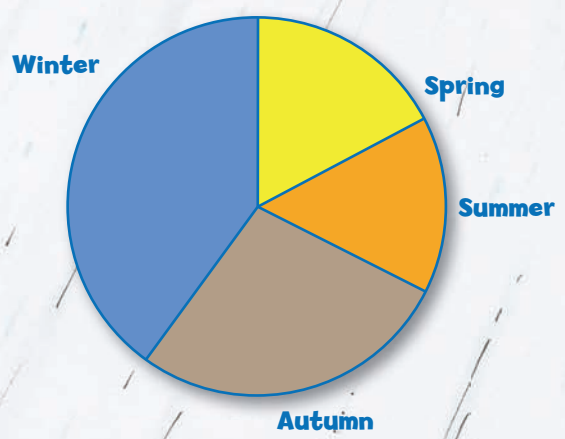


ii.

Month	Rainfall (mm)
Jan	13
Feb	38
Mar	44
Apr	50
May	63
June	57
July	89
Aug	90
Sept	68
Oct	43
Nov	39
Dec	25

iii.

Rainfall by Season



Investigation

1. Investigate the different types of graph that you can make using a computer graphing program.
2. What are the advantages and disadvantages of 3-dimensional bar graphs and pie charts?
3. What kinds of graph have you used that you can't make with this graphing program?

Focus Investigating ways to present data using graphs