**Statistics and Probability**

**Unit 1 Line Master 2**

How Can You Misrepresent Data?

****Anice-cream truck sold ice-cream cones   
in a neighbourhood for one week.   
The data show the number of cones   
sold each day.

|  |  |
| --- | --- |
| **Day** | **Number sold** |
| Monday | 40 |
| Tuesday | 50 |
| Wednesday | 56 |
| Thursday | 61 |
| Friday | 58 |
| Saturday | 71 |
| Sunday | 76 |

Create three graphs:

Graph A: an accurate graph that represents the data correctly

Graph B: a graph that misrepresents the data

Graph C: a different graph that also misrepresents the data

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How Can You Misrepresent Data?

(cont’d)

What did you do to misrepresent the data?

How may your graphs be misinterpreted?