

### 7.1 Mean, Median, Mode And Range

Example 1:

Mean: 28

Median: 33

Mode: 34

Range: 31

Example 2:

Mean: 19.6

Median: 15.1

Mode: None

Range: 56.3

Sample Final Exam

Question:

Mean: \$8038.50

Median: 8346

Mode: none

Range: 3345

### 7.2 Displaying Data

Histograms and Bar Graphs: Answers will vary

Scatter Plots:

Example 3:

1. None

2. Negative

3. Positive

4. Positive

5. Negative

6. None

Example 4 answer will vary

Line Graphs: Answers will vary

Circle Graphs:

a. Mexico

b. 17%

c. 32

d. sample size

-countries people could choose from

- over 1-year, last year

Infographics:

a. 3 095 350  $km^2$

b. 247

### Worksheet 7B

1.a. mm of precipitation each month in Yellowknife in 2006

b. 42mm

c. 311mm

d. Bar Graph

2. Answers will vary

3.a. the number of students with a specific score

b. one

c. seven

d. none

e. 30

4. a. 40-50 years old, 52 million

b.  $4.2 \times 10^6$

c.  $9.7 \times 10^6$

d. 150 000

e.  $2 \times 10^6$

f. before work age and after retirement age

5.a. answer will vary

b. 684

c. 1813

d. 1442

e. most people watch between 5 & 20 hours a week

f. if people watch more than 35 hours

6. a. positive

b. negative

c. positive

d. none

e. positive

f. none

7. Positive correlation

8.a. March, 14 people

b. April, 2 people

c. 8 people a month

9.a. 3%

b. 5 or 6

c. a plumber

10.a. a person from Nova Scotia

b.  $1.47 \times 10^6$

c.  $9.5 \times 10^6$

### 7.3 Experimental Probability

a. 2/5

b. 1/3

c. 4/15

d. 100% or 1

e. 11/15

f. 4/15

2. not a fair game

3. a fair game

4.a. 20%

b. 20%

c. & d. Answers will vary

e. 1/6

f. these probabilities  
are not the same  
-more repetitions will  
give an experimental  
probability closer than  
the theoretical one

### Worksheet 7C

1.a. 25%

b. 50%

c. 100%

2.a. 25%

b.  $\frac{5}{8}$

c. 0

3. not a fair game

4. this is a fair game

5. 0.6000 &  $\frac{3}{5}$

6.  $\frac{1}{2}$  & 0.5000

7 & 8. Answers will  
vary

9.  $\frac{1}{2}$