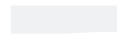


NAME: \_\_\_\_\_



# Activity One



1) The temperatures at Kits Beach for the last 9 days were as follows:

32°C, 28°C, 30°C, 29°C, 33°C, 32°C, 27°C, 34°C, 32°C  
(90°F, 82°F, 86°F, 84°F, 91°F, 90°F, 81°F, 93°F, 90°F)

Answer the following questions.

a) What is the mean temperature?

b) What is the mode for the temperatures?

c) What is the median for the temperatures?

d) What is the range for the temperatures?

e) Is there an outlier?

f) What is the probability that the temperature will be over 30°C on the tenth day?

g) What inferences can you make about the data above?

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h) Which graph or graphs would best represent the data?

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NAME: \_\_\_\_\_



# Activity Two

2a) Create groups of five. Each member of the team will shoot 10 shots each on a hockey net in the gym. Tally all the shots and the goals scored.

Shots on Goal	Goals Scored

b) Gather the data from all the groups and complete the chart below.

Team	Number of Goals Scored

c) Create a graph to represent the data from the chart showing all the teams goals in the space below.

d) What is the probability of each team increasing their score by ten with 20 more shots on the goal? Explain.

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# Activity Three

**3a) William recorded the amount of time he spent doing chores each day in minutes for one week. Here are his results:**

12, 9, 18, 3, 8, 14, 21

i) What is the mean and mode?



ii) What is the median and range?



**b) Kyra tallied the number of songs she bought each week for her iPod. Here are her results:**

5, 2, 4, 2, 7, 16, 3

i) What is the mean and mode?



ii) What is the median and range?



iii) Is there an outlier? If so, what is it?

iv) How does the outlier change the outcome of the mean, median, and mode?

\_\_\_\_\_

**c) What is a possible set of numbers if the mode is 6 and the median is 12?**

\_\_\_\_\_

**d) Swimmers Danya and Lorna swam in five heats. These are their times.**

Danya = 1.23, 1.18, 2.03, 1.53, 1.36

Lorna = 1.13, 1.19, 1.48, 1.49, 1.25

**Danya**

**Lorna**

i) What is the mode for both girls?



ii) What is the mean for both girls?



iii) What is the median for both girls?

NAME: \_\_\_\_\_



# Activity Four

4) In the tally chart below, record how many pets each of your classmates have in their home.

Number of Pets										
Frequency										

- a) What is the mean?
- b) What is the mode?
- c) What is the median?
- d) What is the range?
- e) What is the outlier? Why?

f) Create a graph with the information above in the space below.

g) What other information could have been asked during the survey to create greater detail on a graph?

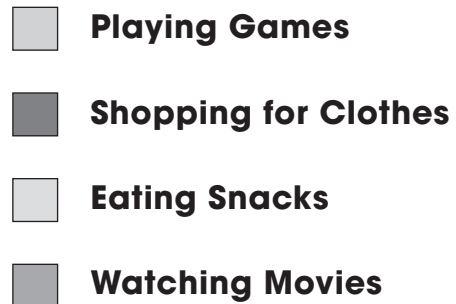
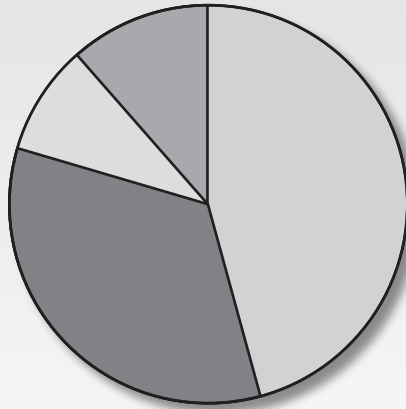
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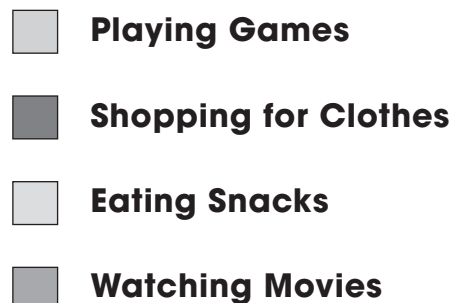
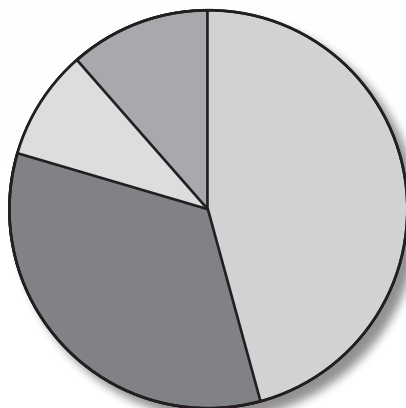
# Activity Five

- 5) Below is a circle graph showing how much time ShayInn spends doing different activities.



Using the Circle graph above, answer the questions below.

- What activity does ShayInn spend the most time doing?
- What activity does ShayInn spend the least amount of time doing?
- What information is missing from the graph?
- How would you make the graph more informative?
- Re-graph the information gathered in question d) onto the circle graph below.



NAME: \_\_\_\_\_



# Activity Six



- 6a) Number and label the grid below.
- b) Place a 😊 in various squares on the grid followed by the letter. Example: 😊 A
- c) Create a pattern as you plot your 😊.
- d) What pattern did you create?
- e) Was the pattern easy to create on this graph? Why or why not?
- f) List the coordinates for each 😊 you put on the grid.



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1.

a) 31°C (87°F)

b) 32°C (90°F)

c) 32°C (90°F)

d) 7 (12)

e) No

f) 56% Likely

g) Answers may vary.

h) Answers may vary.

1A

2.

Answers will vary.

2A

3.

a) i) Mean = 12,  
Mode = none

ii) Median = 12,  
Range = 18

b) i) Mean = 6,  
Mode = 2

ii) Median = 4,  
Range = 14

iii) Outlier = 16

iv) Answers may vary.

c) Answers may vary.

d) i) Danya = none,  
Lorna = none

ii) Danya = 1.47,  
Lorna = 1.31

iii) Danya = 1.36,  
Lorna = 1.25

3A

4.

Answers will vary.

4A

5.

a) Playing Games

b) Eating Snacks

c) Answers may vary. Possible answer includes: values.

d) Answers may vary. Possible answers include: values, headings, and time.

5A

6.

Answers will vary.

6A



(these answers are for the 6 free bonus pages, see page 3 for download instructions)