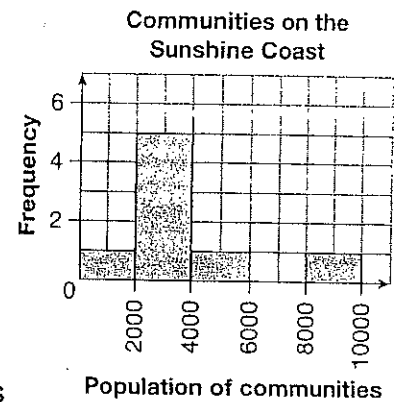


Practice

1. Zenaida created this histogram for a tourist brochure about British Columbia's Sunshine Coast.



- How many communities are there? _____
- Which population interval has the most communities?

- What fraction of the communities have a population in each interval?

Interval from 0 to 2000: _____

Interval from 2000 to 4000: _____

- Zenaida says that the total population is a little less than 38 000. Do you agree? Why or why not?

2. Joseph raises cattle on his farm near Melfort, Saskatchewan. He looked at this frequency table.

Time period	Jul-Dec 08	Jan-Jun 09	Jul-Dec 09	Jan-Jun 10	Jul-Dec 10	Jan-Jun 11
Number of calves born (in thousands)	163.1	1248.4	187.1	1226.0	186.3	1170.7

- Use grid paper. Create a histogram for the data.
- What trend does the histogram show?
- Predict the number of calves born in Saskatchewan from July to December of 2011.

3. Jill is a tour guide in Yellowknife. She takes tour groups to nearby Cameron Falls in July. She needs to let the tourists know what temperatures to expect.

a) Use the data below to create a frequency table.

13.8	13.5	15.7	16.7
13.9	16.0	13.4	18.4
15.2	18.3	16.2	19.4
13.4	20.9	17.3	19.4
12.6	23.2	19.4	21.6
12.6	21.3	21.3	20.4
16.9	20.4	21.2	20.4
19.1	17.8	20.9	

Temperature (°C) (over-including)	Frequency (number of days)
10-13	

Hint

Each temperature interval must be the same size.

- b) Create a histogram on grid paper.
- c) How many days have average temperatures above 19 °C?
 _____ What might Jill report about these days?
- d) What does the histogram show about the number of days with average temperatures from 13 °C to 16 °C and from 16 °C to 19 °C?

4. a) Grayson is a coach for a junior hockey team. He kept statistics for the season. Create a frequency table.

107	1	2	44
15	2	78	7
8	40	29	73
35	27	76	65
3	6	18	9
3	14	25	58
43	53	55	42

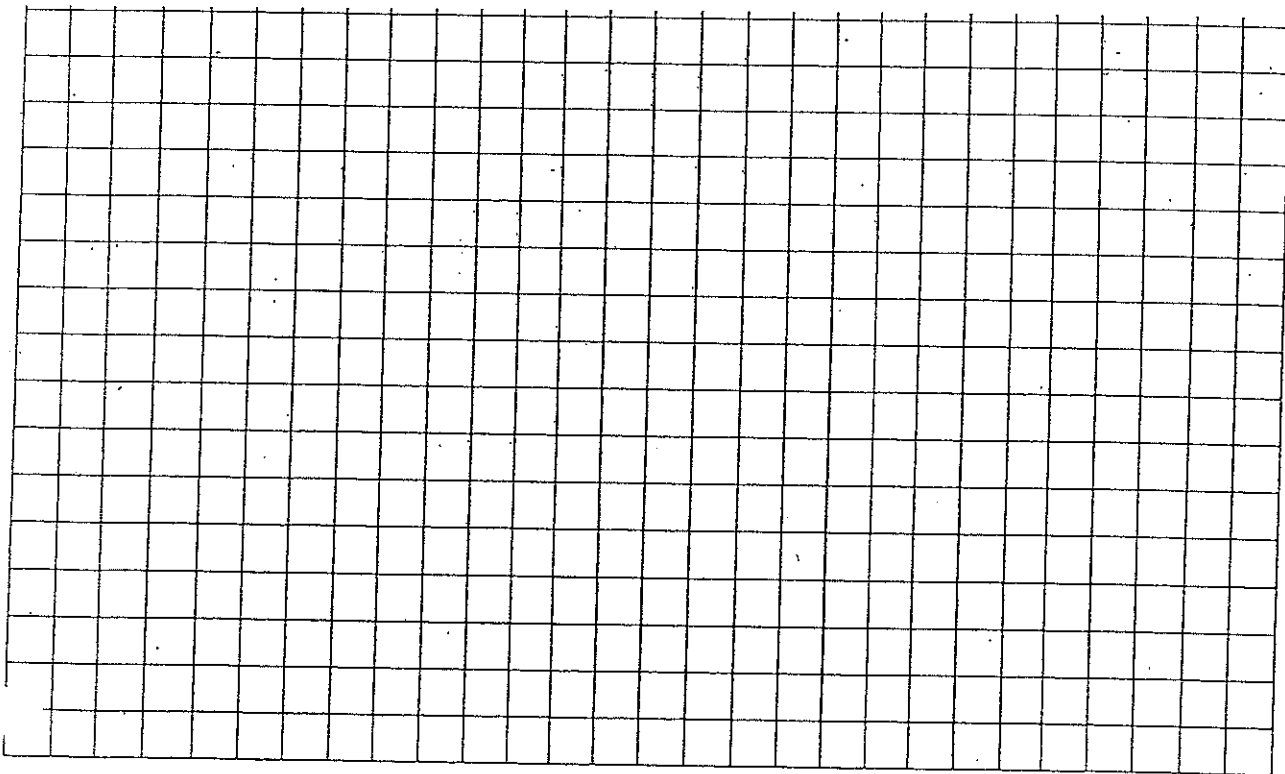
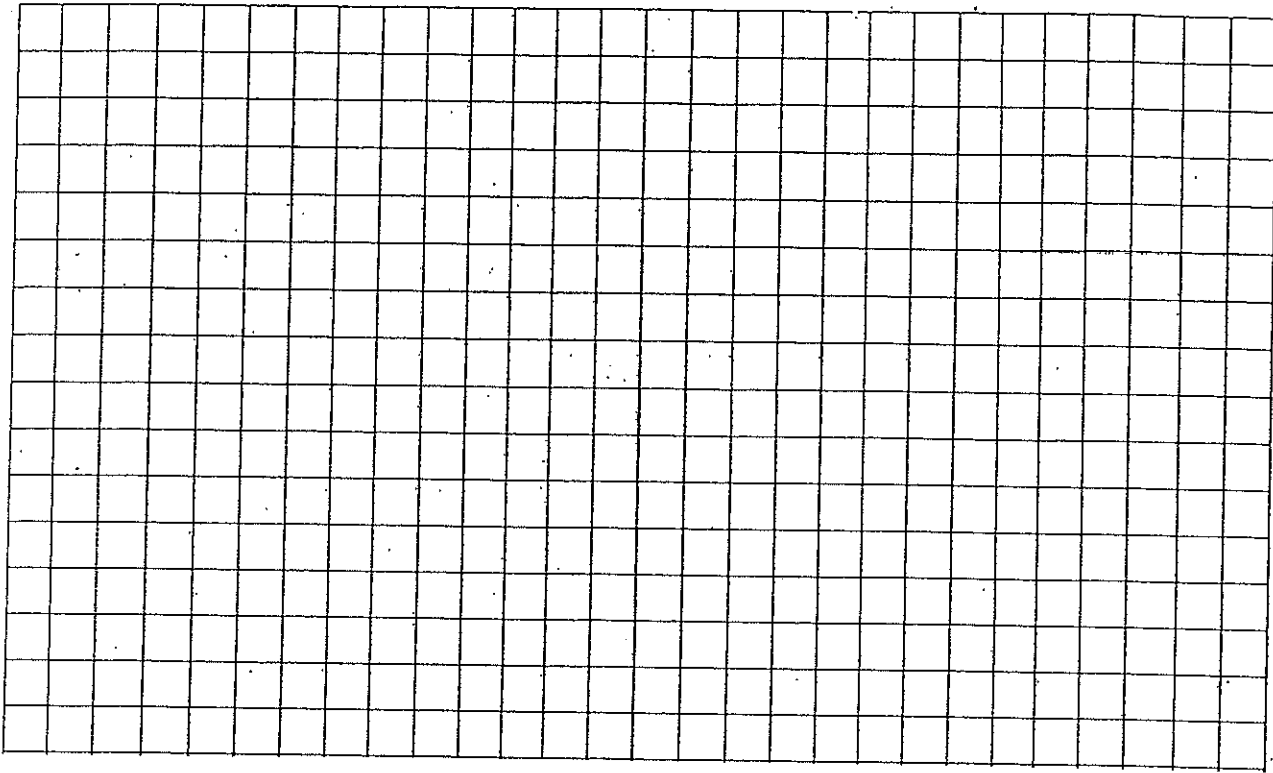
Points for team members (over-including)	Frequency (number of players)
0-20	

- b) Create a histogram on grid paper.
- c) How many players scored from 0 to 20 points? _____
- d) Can this data be displayed better on a bar graph? Explain.

REFLECTING

What other interpretations can you make using the frequency table and histogram in Question 4?

Blackline Master 1: $\frac{1}{4}$ -inch Graph Paper



Blackline Master 1: 1/4-inch Graph Paper

