1

1. a) What does this bar graph show?
   b) What is the scale?
   c) Write 3 things you know from the graph.

Favourite Team Sports in Nadia's Class

Number of Students

Basketball   Floor Hockey   Soccer   Softball
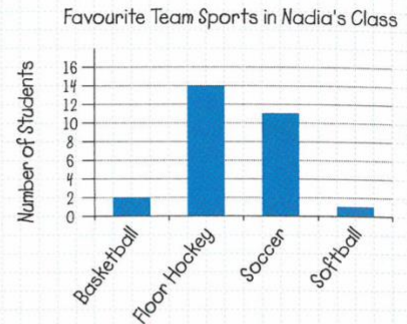
2

2. Madhu found out how many children in her school watched the Canadian hockey team play. The team won a gold medal.
   a) Draw a pictograph. Which key did you use? Explain your choice.
   b) Choose a different key. Draw another pictograph.
   c) Compare the two pictographs. Which is easier to use to answer these questions?
   • How many more Grade 4 children watched the game than Grade 2 children?
   • How many children watched the game?

Grade	Children Who Watched the Game
1	25
2	40
3	35
4	55
5	65
6	50

3

3. The table shows the number of people who like to hold each animal at the zoo.

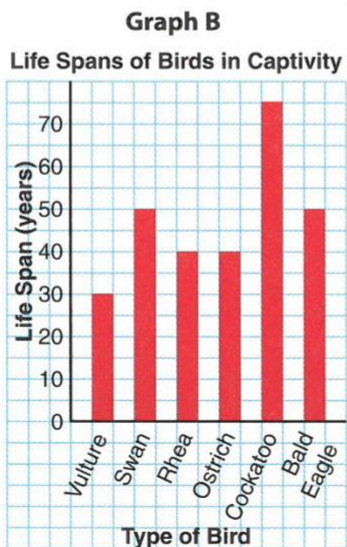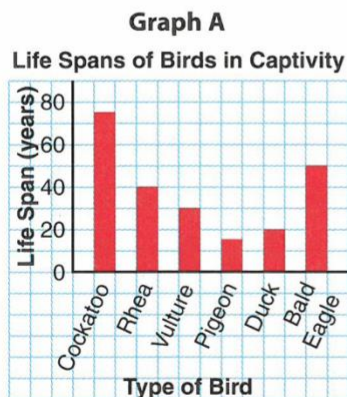| Animal	Number of People
Banana slug	9
Gila monster	22
Koala	32
Macaw	14
Monkey	16
Rosy boa	6

   a) Draw a bar graph. What scale did you use?
   b) Draw a different bar graph to display these data. How did you choose your scale this time?

c) How many more people prefer to hold a koala than a monkey?

d) Which animal is most popular? Least popular?

e) Which graph was easier to use to answer the questions in part d? Explain your choice.

f) Write your own question about the bar graphs. Answer the question.

4. Look at this pictograph.

Life Spans of Birds in Captivity	
Cockatoo	❤ ❤ ❤ ❤ ❤ ❤ ❤ ❤
Rhea	❤ ❤ ❤ ❤
Vulture	❤ ❤ ❤
Ostrich	❤ ❤ ❤
Swan	❤ ❤ ❤ ❤ ❤
Bald Eagle	❤ ❤ ❤ ❤ ❤

❤ represents 10 years
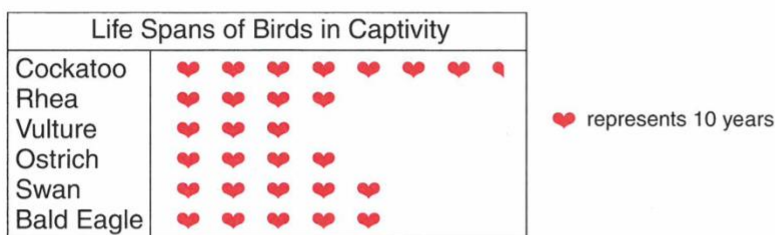
a) Find two birds whose combined life spans are less than that of a cockatoo.

b) A canary's life span is 25 years. How would you show 25 years on this graph?

c) Which bar graph below shows the same data as the pictograph above? How do you know?

Graph A
Life Spans of Birds in Captivity

Graph B
Life Spans of Birds in Captivity

U N I T

7 Learning Goals

☑ interpret graphs

☑ compare pictographs with different keys

☑ compare bar graphs with different scales

☑ draw pictographs and bar graphs

☑ compare pictographs and bar graphs

d) Which graph do you think best displays the data? Give reasons for your choice.