Name _____ Date _____

Extra Practice 1

Lesson 1: Collecting and Organizing Data

1. Work with the class.
How many brothers and sisters does each student have?
   a) Record the data in a tally chart.
   b) How many students have 3 brothers and sisters?
   c) How many brothers and sisters do most students have?
   How do you know?
   d) What else do you know?

Lesson 2: Line Plots

1. Kelly counted the animals she saw on a walk through the park.
She recorded the data in a line plot.

   a) Which animal did Kelly see the most? The least?
   How do you know?
   b) How many more squirrels than birds did Kelly see?
   c) What else do you know from the line plot?

2. Ask the students in your class this question:
Where would you like to go on the end-of-year school trip?
   a) Record your data in a line plot.
   b) What did you find out?
   c) Write 2 questions about the line plot.
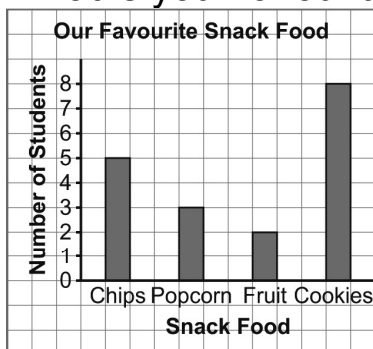   Answer the questions.

Name _____ Date _____

Master 7.20   **Extra Practice 2**
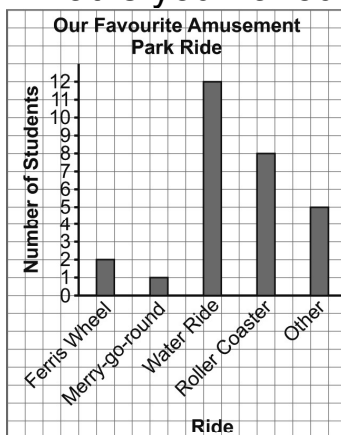
Lesson 3: Reading Bar Graphs

1. Children from a Grade 3 class were asked:
What is your favourite snack food?

Our Favourite Snack Food

Number of Students

8
7
6
5
4
3
2
1
0

Chips Popcorn Fruit Cookies

Snack Food

a) Which snack food is most popular? Least popular?
b) List the snack foods from most popular to least popular.
c) How many children were asked?
d) Make up your own question about the graph.
Answer the question.

2. Children in a class were asked:
What is your favourite amusement park ride?

Our Favourite Amusement Park Ride

Number of Students

12
11
10
9
8
7
6
5
4
3
2
1
0

Ferris Wheel Merry-go-round Water Ride Roller Coaster Other

Ride

a) Which ride is most popular?
b) How many children chose the roller coaster?
c) How many more children chose the roller coaster than
the merry-go-round? Explain how you know.
d) Write 2 other things you know from the graph.
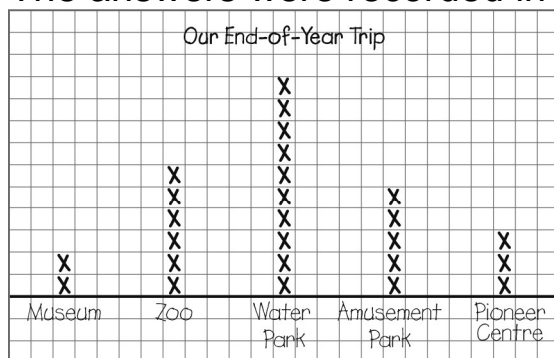
Name _____ Date _____

Master 7.21   # Extra Practice 3

Lesson 4: Drawing Bar Graphs

1. The students in a Grade 3 class were asked:
Where would you like to go for summer vacation?

Choices for Summer Vacation		
Place	**Tally**	**Number of students**
Cottage	�꜒꜒꜒꜒꜒ //	7
Camping	////	4
Florida	꜒꜒꜒꜒꜒ ꜒꜒꜒꜒꜒	10
Another province	///	3
Other	//	2

a) Draw a bar graph.
b) What did you find out?

2. Students in a class were asked:
Where would you like to go on the end-of-year school trip?
The answers were recorded in a line plot.

a) Draw a bar graph to show the data.
b) How are the graphs the same? How are they different?

Name _____ Date _____

Master 7.22   **Extra Practice 4**

Lesson 5: Using Graphs to Solve Problems

1. Work as a class to solve this problem.
   What activity should grade 3 students do to raise money
   for charity?
   a) List 5 possible activities on the board.
   b) Have each student add a tally mark beside the activity he or she
   chooses.
   c) Copy the data in a tally chart.
   d) Draw a bar graph.
   e) Solve the problem.

Name _____ Date _____

Extra Practice Sample Answers

Extra Practice 1 – Master 7.19

Lesson 1
1. **a)**

My Family		
Number of Brothers and Sisters	**Tally**	**Number**
0	///	3
1	⊬⊬1 ⊬⊬1 /	11
2	⊬⊬1 ////	9
3	//	2

b) 2 students
c) Most students have 1 brother or sister.
I know because the row for 1 has the greatest number of tally marks.
d) I know that 3 students have no brothers or sisters.
I know that 11 students have 1 brother or sister, 9 students have 2 brothers and sisters, and 2 students have 3 brothers and sisters.
By adding the tally marks, I know there are 25 students in my class.

Lesson 2
1. **a)** Squirrels; cats
Squirrels has the most Xs above it. Cats has the fewest Xs above it.
b) Kelly saw 3 more squirrels than birds.
c) I know Kelly saw more dogs than cats.
By adding the number of Xs, I know that Kelly saw 15 animals on her walk.

2. **a)**

Our End-of-Year Trip
Museum   Zoo   Water Park   Amusement Park   Pioneer Centre

b) Most children would like to go the water park.

c) Which was the least popular choice? (Answer: museum)
How many more children wanted to go to the zoo than the pioneer centre? (Answer: 3 children)
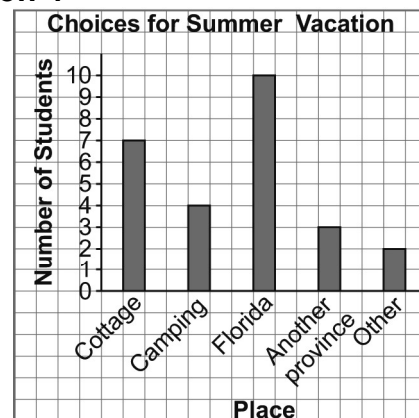
Extra Practice 2 – Master 7.20

Lesson 3
1. **a)** Cookies; fruit
b) Cookies, chips, popcorn, fruit
c) 28 children
d) How many more children like chips than popcorn?
(Answer: 2 children; 5 – 3 = 2)

2. **a)** Water ride
b) 8 children
c) 7 children; 8 – 1 = 7
d) I know that the least favourite ride is the merry-go-round.
I also know that 4 more children chose the water ride than the roller coaster.

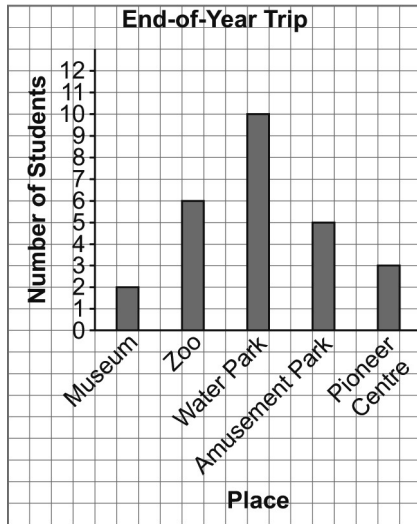## Extra Practice 3 – Master 7.21

Lesson 4
1. **a)**

Choices for Summer Vacation
Number of Students
Cottage   Camping   Florida   Another province   Other
Place

b) I found out that most grade 3 students would like to go to Florida. Ten students would like to go to Florida, 7 students would like to go to the cottage, 4 students would like to go camping, 3 students would like to go to another province in Canada, and 2 students would like to go somewhere else.
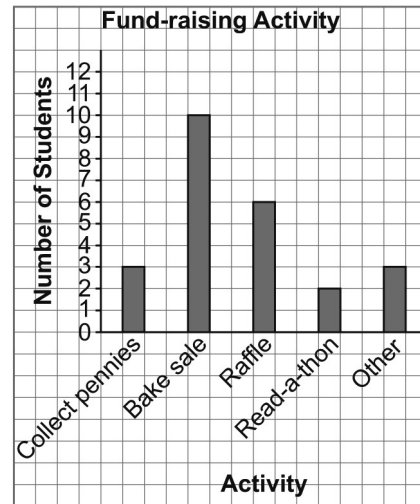
Name _____ Date _____

Master 7.23b   # Extra Practice Sample Answers, continued

2. a)

End-of-Year Trip

Extra Practice 4 – Master 7.22

Lesson 5

1. a) Collect loonies, used book sale, raffle, read-a-thon, other

b) and **c)**

Fund-Raising Activities		
Activity	**Tally**	**Number of students**
Collect loonies	///	3
Used book sale	◌⃥ ◌⃥	10
Raffle	◌⃥ /	6
Read-a-thon	//	2
Other	///	3

d)

Fund-raising Activity

e) The students should hold a used book sale since it was the most popular choice of activity.