

North Penn School District
Elementary Math Parent Letter

Grade 2

Unit 5 – Chapter 10: Data

Examples for each lesson

Lesson 10.1

Collect Data

Represent and interpret data.

You can take a survey to get information.

Which is your favorite sport?

Each tally mark stands for one person's answer.
Count the tally marks.

Favorite Sport		
Sport	Tally	Total
soccer		4
basketball		5
football		3










More information on this strategy is available on Animated Math Model #52.


Lesson 10.2

Read Picture Graphs

Represent and interpret data.

A picture graph uses pictures to show information.

Favorite Color				
red				
blue				
green				

Key: Each  stands for 1 child.

The row with blue has 5 pictures.
So, 5 children chose blue.

More information on this strategy is available on Animated Math Model #53.

Lesson 10.3

Make Picture Graphs

Represent and interpret data.

This picture graph uses 1 picture for each animal.
Draw a \triangle for each tally mark.

Animals at the Pet Store	
Animal	Tally
fish	
hamster	
turtle	

Animals at the Pet Store					
fish	\triangle	\triangle	\triangle	\triangle	
hamster	\triangle	\triangle			
turtle	\triangle	\triangle	\triangle		

Key: Each \triangle stands for 1 animal.

How many turtles are at the pet store? 3 turtles

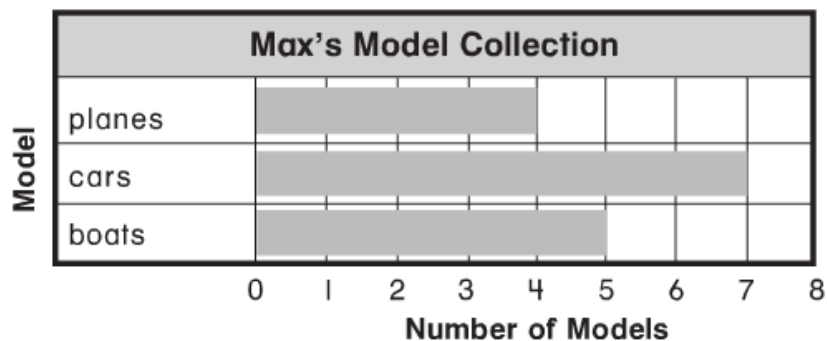
More information on this strategy is available on Animated Math Model #53.

Lesson 10.4

Read Bar Graphs

Represent and interpret data.

Look at the number below the right end of each bar.
This number tells how many of each model Max has.



The bar for model cars ends at 7.

So, Max has 7 car models.

More information on this strategy is available on Animated Math Model #54.

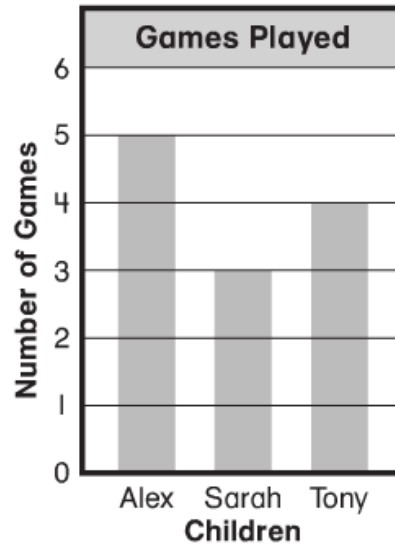
Lesson 10.5

Make Bar Graphs

Represent and interpret data.

These bar graphs show how many games Alex, Sarah, and Tony played.

- Alex played 5 games.
- Sarah played 3 games.
- Tony played 4 games.



More information on this strategy is available on Animated Math Model #54.

Lesson 10.6

Problem Solving • Display Data

Represent and interpret data.

The list shows how many hours Morgan worked on her project. Describe how the number of hours changed from Week 1 to Week 4.

Week 1	1 hour
Week 2	2 hours
Week 3	3 hours
Week 4	4 hours

Unlock the Problem

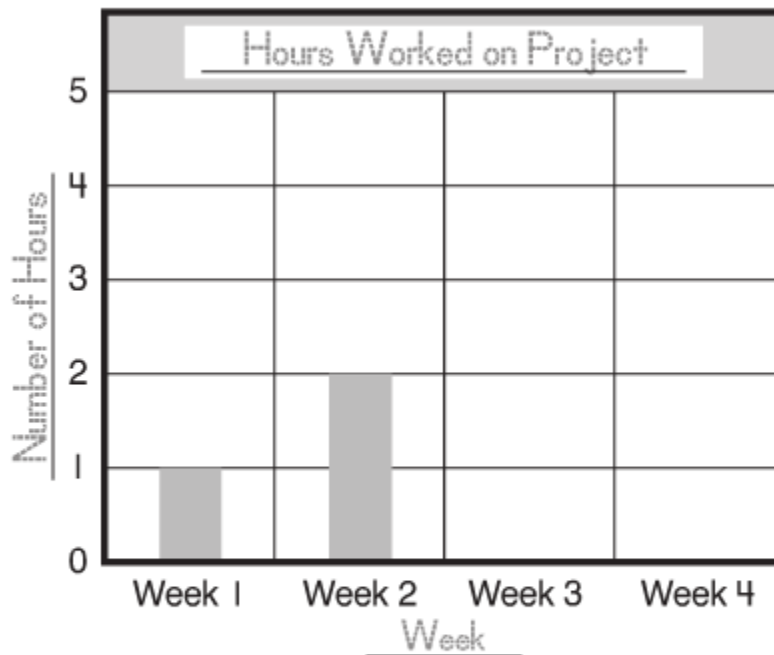
What do I need to find?

how the number of hours changed from Week 1 to Week 4

What information do I need to use?

the number of hours Morgan worked on her project each week

Show how to solve the problem.



The number of hours _____

Vocabulary

Bar graph – a graph that uses bars to show data

Data – information collected about people or things

Picture graph – a graph that uses pictures to show data

Survey – a method of gathering information