Go Math!

John G. Riley Elementary School
Distant Learning Packet
Week 5

Second Grade

Chapter 10: Data

Name: ______________________________

Class: ______________________________

Math Distance Learning

Chapter 10 Data

Essential Question: How do tally charts, picture graphs, and bar graphs help you solve problems?

Learning Goal: Level 3: The student will be able to:

- Draw a picture graph with a single unit scale to represent data with up to four categories.
- Draw a bar graph with a single unit scale to represent data with up to four categories.
- Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.
- Create a line plot, with lengths of several objects where the horizontal scale is marked off in whole number units.

Standards: MACC.2.MD.4.10

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

Day 1

○ Packet: Student Lesson 10.1 Workbook pg. 470-471
○ Problem of the Day: Count aloud by fives from 5 – 50
○ Math on the Spot video (if you have internet access)

Day 2

○ Packet: Student Practice Workbook pg. P223-224
○ Problem of the Day: Count aloud by tens from 100 - 200
○ iReady Math 10 minutes (If you have internet access)

Day 3

○ Packet: Student Lesson 10.2 Workbook pg. 474-475
○ Problem of the Day: Basic Facts
4+8= 7+7= 9+7= 9+9= 9+6=
○ Math on the Spot Video (if you have internet access)

Day 4

○ Packet: Student Practice Workbook pg. P225-226
○ Problem of the Day: Basic Facts
18-4= 17-7= 19-7= 19-9= 19-6=
○ iReady Math 10 minutes (if you have internet access)

Day 5

○ Packet: Student Lesson 10.3 Workbook pg. 478-479
○ Problem of the Day: Count by fives from 5 to 100 -Count by tens from 10 to 100 -Count by hundreds from 100 to 900
○ Math on the Spot Video (if you have internet access)

Model and Draw

You can take a **survey** to collect **data**.
You can record the data with tally marks.

Greg asked his classmates which lunch is their favorite.

Favorite Lunch

Lunch	Tally
pizza	||||
sandwich	𝍸 |
salad	|||
pasta	𝍸

The tally marks in the tally chart show the children's answers. Each tally mark stands for one child's choice.

Share and Show

Math Board

1. Take a survey. Ask 10 classmates which pet is their favorite. Use tally marks to show their choices.

Favorite Pet

Pet	Tally
cat	
dog	
fish	
bird	

2. How many classmates chose dog?

______ classmates

3. Which pet did the fewest classmates choose?

______

4. Did more classmates choose cat or dog? ______

How many more? ______ more classmates

Name ______________________________

On Your Own

5. Take a survey. Ask 10 classmates which indoor game is their favorite. Use tally marks to show their choices.

Favorite Indoor Game

Game	Tally
board	
card	
computer	
puzzle	

6. How many classmates chose board game?

______ classmates

7. Which game did the most classmates choose?

____

8. Did more classmates choose a card game or a computer game?

____

How many more? ______ more classmates

9. Which game did the fewest classmates choose?

____

10. How many classmates did not choose a board game or a puzzle? **Explain** how you know.

____

____

____

____

Name ______________________

Collect Data

COMMON CORE STANDARD MACC.2.MD.4.10
Represent and interpret data.

1. Take a survey. Ask 10 classmates how they got to school. Use tally marks to show their choices.

How We Got to School

Way	Tally
walk	
bus	
car	
bike	

2. How many classmates rode in a bus to school?

_______ classmates

3. How many classmates rode in a car to school?

_______ classmates

4. In which way did the fewest classmates get to school?

____

5. In which way did the most classmates get to school?

____

6. Did more classmates get to school by walking or by riding in a car?

____

How many more? _______ more classmates

PARCC TEST PREP

Lesson Check (MACC.2.MD.4.10)

1. Use the tally chart. Which color did the fewest children choose?

○ blue
○ green
○ red
○ yellow

Favorite Color	
Color	**Tally**
blue	|||
green	𝍸 ||||
red	𝍸 ||
yellow	𝍸 |

Spiral Review (MACC.2.MD.2.5, MACC.2.MD.2.6, MACC.2.MD.3.7, MACC.2.MD.3.8)

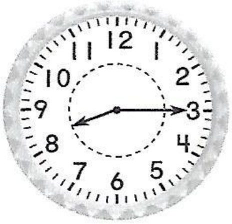
2. Which group of coins has a value of $1.00? (Lesson 7.5)

○ 10 pennies
○ 10 nickels
○ 10 dimes
○ 10 quarters

3. Jared has two ropes. Each rope is 9 inches long. How many inches of rope does he have in all? (Lesson 8.5)

○ 10 inches ○ 18 inches
○ 16 inches ○ 21 inches

4. The clock shows the time Lee got to school. At what time did she get to school? (Lesson 7.11)



○ 3:40 A.M. ○ 3:40 P.M.
○ 8:15 A.M. ○ 8:15 P.M.

5. Liza finished studying at half past 3. What time did Liza finish studying? (Lesson 7.10)

○ 3:30
○ 3:15
○ 2:45
○ 2:15

Model and Draw

A **picture graph** uses pictures to show data.

Number of Soccer Games

March	⚽	⚽	⚽	⚽			
April	⚽	⚽	⚽				
May	⚽	⚽	⚽	⚽	⚽	⚽	
June	⚽	⚽	⚽	⚽	⚽	⚽	⚽

Key: Each ⚽ stands for 1 game.

A key tells how many each picture stands for.

Share and Show

Use the picture graph to answer the questions.

Favorite Snack

pretzels	☺	☺	☺	☺	☺	☺	☺	☺	
grapes	☺	☺	☺	☺	☺	☺	☺		
popcorn	☺	☺	☺						
apples	☺	☺	☺	☺	☺	☺			

Key: Each ☺ stands for 1 child.

1. Which snack was chosen by the fewest children? ____________

____

2. How many more children chose pretzels than apples? ______ more children

Name ____________________________________

On Your Own

Use the picture graph to answer the questions.

Number of Pencils									
Alana	✏	✏	✏						
Teresa	✏	✏	✏	✏	✏				
John	✏	✏	✏	✏					
Brad	✏	✏	✏	✏	✏	✏	✏	✏	

Key: Each ✏ stands for 1 pencil.

3. How many pencils do Alana and Brad have? _______ pencils

4. How many more pencils does Teresa have than Alana has? _______ more pencils

5. How many pencils do the four children have? _______ pencils

6. Christy has 7 pencils. Write two sentences to describe how her number of pencils compares to the data in the picture graph.

____

____

____

____

____

Name ______________________________

Lesson 10.2

Read Picture Graphs

COMMON CORE STANDARD MACC.2.MD.4.10
Represent and interpret data.

Use the picture graph to answer the questions.

Number of Books Read						
Ryan	📗	📗	📗	📗		
Gwen	📗	📗				
Anna	📗	📗	📗	📗	📗	📗
Henry	📗	📗	📗			

Key: Each 📗 stands for 1 book.

1. How many books in all did Henry and Anna read? _______ books

2. How many more books did Ryan read than Gwen? _______ more books

3. How many fewer books did Gwen read than Anna? _______ fewer books

4. How many books did the four children read in all? _______ books

PROBLEM SOLVING REAL WORLD

Use the picture graph above. Write or draw to explain.

5. Carlos read 4 books. How many children read fewer books than Carlos?

_______ children

PARCC TEST PREP

Lesson Check (MACC.2.MD.4.10)

1. Use the picture graph. Who has the most fish?

○ Jane
○ Will
○ Gina
○ Evan

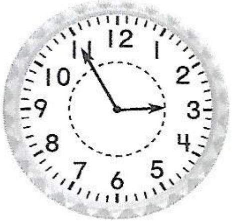
Our Fish

Jane	🐟				
Will	🐟	🐟	🐟		
Gina	🐟	🐟	🐟	🐟	
Evan	🐟	🐟			

Key: Each 🐟 stands for 1 fish.

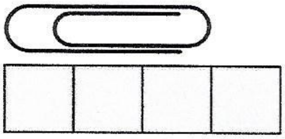
Spiral Review (MACC.2.MD.1.1, MACC.2.MD.3.7, MACC.2.MD.3.8)

2. What is the time on this clock? (Lesson 7.9)



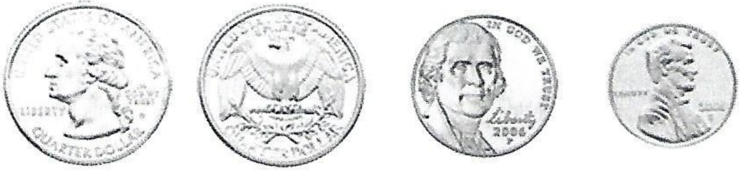
○ 1:55
○ 2:55
○ 3:05
○ 11:15

3. Each unit cube is about 1 centimeter long. Which is the best estimate for the length of the paper clip? (Lesson 9.1)



○ 1 centimeter
○ 3 centimeters
○ 4 centimeters
○ 8 centimeters

4. What is the total value of this group of coins? (Lesson 7.2)



○ 61¢
○ 60¢
○ 56¢
○ 52¢

Model and Draw

Each picture in the graph stands for 1 flower.
Draw pictures to show the data in the tally chart.

Number of Flowers Picked	
Name	**Tally**
Jessie	|||
Inez	𝍸
Paulo	||||

Number of Flowers Picked					
Jessie	⬭	⬭	⬭		
Inez					
Paulo					

Key: Each ⬭ stands for 1 flower.

Share and Show

1. Use the tally chart to complete the picture graph.
Draw a ☺ for each child.

Favorite Sandwich	
Sandwich	**Tally**
cheese	𝍸
ham	||
tuna	||||
turkey	|||

Favorite Sandwich					
cheese					
ham					
tuna					
turkey					

Key: Each ☺ stands for 1 child.

2. How many children chose tuna? _______ children

3. How many more children chose cheese than ham? _______ more children

Name ______________________________

On Your Own

4. Use the tally chart to complete the picture graph.
Draw a ☺ for each child.

Favorite Fruit

Fruit	Tally
apple	𝍷𝍷𝍷𝍷
plum	𝍷𝍷
banana	𝍸
orange	𝍷𝍷𝍷

Favorite Fruit

apple					
plum					
banana					
orange					

Key: Each ☺ stands for 1 child.

5. How many children chose banana? ________ children

6. How many fewer children chose plum than banana? ________ fewer children

7. Which fruit did the most children choose? ________________

8. How many more children chose banana than orange? ________ more children

9. H.O.T. Which three fruits were chosen by a total of 10 children?

____

TAKE HOME ACTIVITY • Ask your child to explain how to read the picture graph on this page.

FOR MORE PRACTICE:
Standards Practice Book, pp. P227–P228