

Line Plots & Measurement Data

Second Grade Math • Week 25

Name: _____ Date: _____

Part A: Measure and Record

Use your ruler to measure each object below to the nearest inch. Write the measurement.

- Your pencil: _____ inches
- Your eraser: _____ inches
- A paperclip: _____ inches
- Your thumb: _____ inches
- A crayon: _____ inches
- Your shoe: _____ inches

Part B: Create a Line Plot

Use your measurements from Part A to create a line plot. Mark an X for each measurement.



Label: Length in Inches

Part C: Analyze Your Data

1. What is the most common measurement? _____
2. What is the longest object you measured? _____
3. What is the shortest object you measured? _____
4. What is the difference between the longest and shortest? _____ inches
5. How many objects are longer than 4 inches? _____

Line Plots & Measurement Data (continued)

Part D: Read a Line Plot

Students measured the length of leaves (in inches). Use the line plot to answer questions.



1. How many leaves were measured in all? _____
2. What length was most common? _____ inches
3. How many more 3-inch leaves than 5-inch leaves? _____
4. How many leaves were shorter than 3 inches? _____
5. If you put all the 2-inch leaves end to end, how long would the line be? _____ inches

Part E: Create Your Own Line Plot

Ask 10 classmates how many pets they have. Record the data, then make a line plot.

Data: _____



Standard: 2.MD.D.9 — Generate measurement data and show on a line plot

Picture Graphs & Bar Graphs

Second Grade Math • Week 26

Name: _____ Date: _____

Part A: Read the Picture Graph

Favorite Fruits — Each picture = 2 students

Apples: ● ● ● ● ● ●

Bananas: ● ● ● ●

Grapes: ● ● ●

Oranges: ● ● ● ● ●

Remember: Each ● = 2 students!

1. How many students chose apples? _____
2. How many students chose bananas? _____
3. Which fruit was chosen by the most students? _____
4. How many MORE students chose oranges than grapes? _____
5. How many students were surveyed in all? _____

Part B: Create a Picture Graph

Survey your friends about their favorite season. Use ■ to represent 1 student.

Spring: _____

Summer: _____

Fall: _____

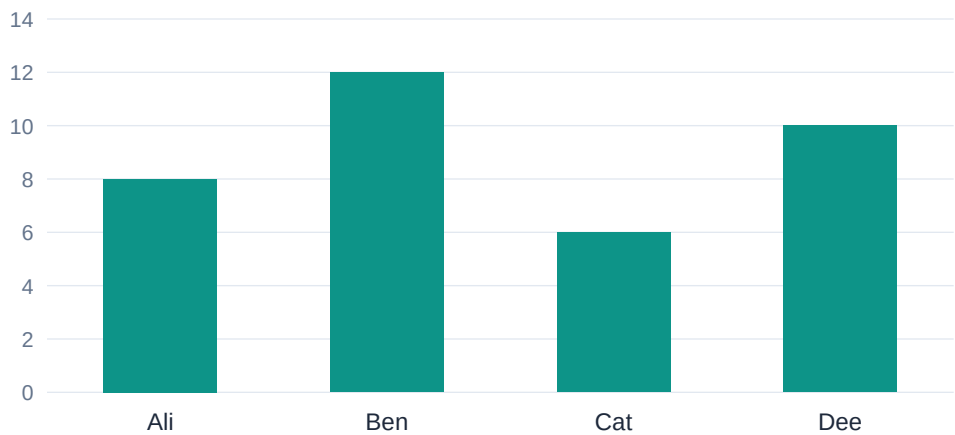
Winter: _____

Key: Each ■ = _____ student(s)

Bar Graphs

Part C: Read the Bar Graph

Books Read This Month



- 1. Who read the most books? _____
- 2. How many books did Cat read? _____
- 3. How many more books did Ben read than Cat? _____
- 4. How many books did Ali and Dee read together? _____
- 5. How many books were read by all four students? _____

Part D: Draw Your Own Bar Graph

Favorite Recess Activities: Swings (8), Slide (5), Tag (10), Jump Rope (7)
Draw and label a bar graph on the grid below.

Standard: 2.MD.D.10 — Draw and interpret picture/bar graphs

Recognizing & Drawing Shapes

Part A: Identify the Shape

Write the name of each shape. Use: triangle, quadrilateral, pentagon, hexagon

1. I have 3 sides and 3 corners (vertices).

I am a _____

2. I have 4 sides and 4 corners.

I am a _____

3. I have 5 sides and 5 corners.

I am a _____

4. I have 6 sides and 6 corners.

I am a _____

Part B: Draw the Shapes

Draw each shape in the box. Make sure it has the correct number of sides!



Triangle



Quadrilateral



Pentagon



Hexagon

Part C: Shape Attributes

Fill in the table about 2D shapes:

Shape	Sides	Vertices	Right Angles?
Triangle			
Square			
Rectangle			
Pentagon			
Hexagon			

Shapes in the Real World

Second Grade Math • Week 27

Name: _____ Date: _____

Part D: Shapes Around Us

Find and draw 3 real-world objects that are each shape. Label them!

Triangles:

(Example: yield sign, pizza slice, tent)



Object 1



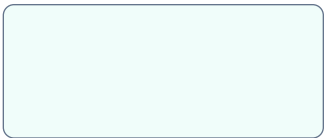
Object 2



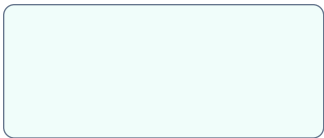
Object 3

Quadrilaterals:

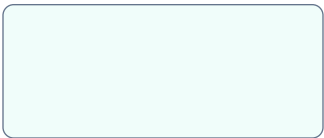
(Example: window, book, door)



Object 1



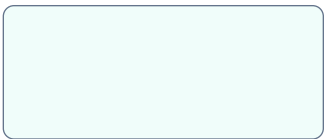
Object 2



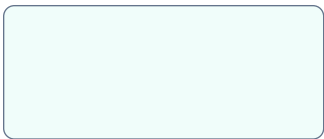
Object 3

Pentagons:

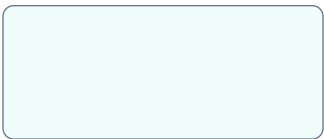
(Example: home plate, star pattern)



Object 1



Object 2



Object 3

Hexagons:

(Example: honeycomb, nuts/bolts)



Object 1



Object 2



Object 3

Standard: 2.G.A.1 — Recognize and draw shapes by attributes

Partitioning Rectangles

Second Grade Math • Week 28

Name: _____ Date: _____

Part A: Partition into Rows and Columns

Draw lines to divide each rectangle into the given rows and columns. Count the squares.

1. 2 rows, 3 columns



Total squares: _____ Equation: $2 \times 3 =$ _____

2. 3 rows, 4 columns



Total squares: _____ Equation: $3 \times 4 =$ _____

3. 4 rows, 5 columns



Total squares: _____ Equation: $4 \times 5 =$ _____

4. 2 rows, 6 columns



Total squares: _____ Equation: $2 \times 6 =$ _____

Part B: Repeated Addition from Arrays

Write the repeated addition sentence for each partitioned rectangle.

1. 3 rows of 5: _____ + _____ + _____ = _____

2. 4 rows of 3: _____ + _____ + _____ + _____ = _____

3. 2 rows of 7: _____ + _____ = _____

4. 5 rows of 2: _____ + _____ + _____ + _____ + _____ = _____

Partitioning Rectangles (continued)

Second Grade Math • Week 28

Name: _____ Date: _____

Part C: Real-World Partitioning

Solve each problem by drawing a partitioned rectangle.

1. A garden has 3 rows with 6 plants in each row. How many plants in all?

Draw the garden:

Answer: _____ plants



2. A chocolate bar has 4 rows and 5 pieces in each row. How many pieces total?

Draw the chocolate bar:

Answer: _____ pieces



3. A classroom has 5 rows of desks with 4 desks in each row. How many desks?

Draw the classroom:

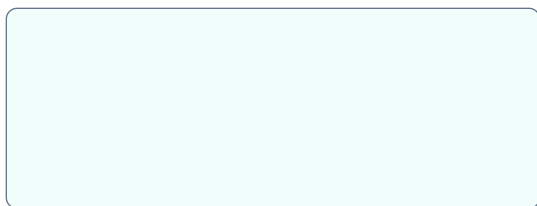
Answer: _____ desks



Part D: Challenge — Design Your Own Array

Create a real-world problem that uses a partitioned rectangle. Draw and solve it!

My Problem: _____



Equation: _____

Answer: _____

Standard: 2.G.A.2 — Partition a rectangle into rows and columns of same-size squares and count to find the total number of them.