

Data & Graphing Worksheets

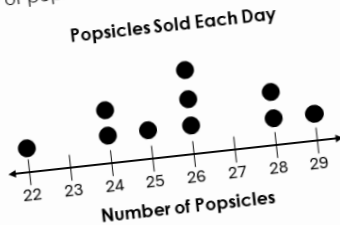
3rd
GRADE

Sweet and Sticky

Name: Kyle

TEKS: 3.8A, 3.8B

The number of popsicles sold each day for 10 days is represented in the dot plot.



1. Which list of numbers could be the number of popsicles sold each day?

- ☐ 22, 24, 25, 26, 28, 29
- ☐ 26, 26, 26, 22, 25, 28, 26, 24, 28, 24
- ☐ 22, 23, 24, 25, 26, 27, 28, 29
- ☒ 26, 29, 26, 22, 25, 28, 26, 24, 28, 24

2. Each dot on the dot plot represents a day.

Write the word that completes the sentence: popsicle day.

3. How many days were exactly 26 popsicles sold?

- ☐ 1
- ☐ 2
- ☒ 3
- ☐ 4

4. How many days were 25 or more popsicles sold?

- ☒ 4
- ☐ 1
- ☐ 3
- ☐ 5

Ready for Recess

Name: Leilani

TEKS: 3.8A CCSS: 3.MD.B.3

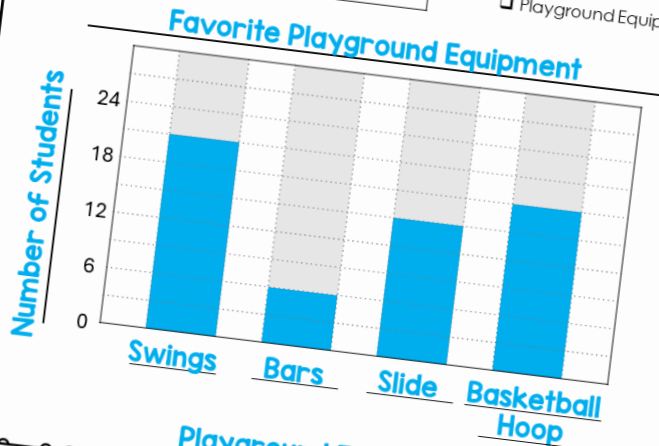
Create a bar graph to represent the data in the frequency table.

Favorite Playground Equipment

Playground Equipment	Number of Students
Swings	21
Bars	6
Slide	15
Basketball Hoop	18

Bar Graph Checklist

- ☐ Title your bar graph
- ☐ Shade and label the bars
- Write these categories in the correct places:
 - ☐ Number of Students
 - ☐ Playground Equipment



Playground Equipment



Easy-to-Use No Prep Worksheets

for stations, seatwork, review,
intervention, tutoring, or homework



Selling Snow Cones

Name: **Elizabeth**

TEKS: 3.8A, CCSS: 3.MD.B.3

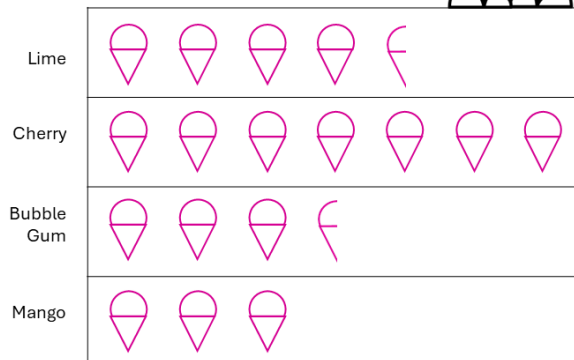
Snow Cones Sold

Flavor	Number of Snow Cones
Lime	27
Cherry	42
Bubble Gum	21
Mango	18

Use the frequency table to complete the pictograph.



Snow Cones Sold



Each  means 6 snow cones.

Meaningful Practice

- Fun and Engaging Worksheets
- Built for a Range of Skill Levels

Tic-Tac-Plot

Name: **Ethan**

TEKS: 3.8A

A group of students each played 10 games of Tic-Tac-Toe. The number of games each student won is listed.

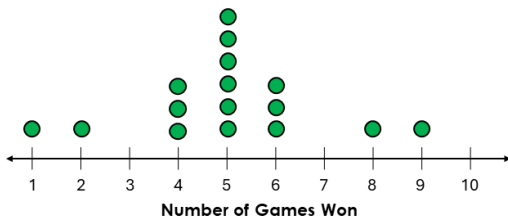
4, 5, 8, 1, 6, 5, 5, 2,
5, 9, 4, 6, 5, 6, 5, 4



Organize the data in a frequency table. Then represent the data in a dot plot.

Number of Games Won	1	2	3	4	5	6	7	8	9	10
Frequency										

Tic-Tac-Toe Games Won



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Counting Crayons

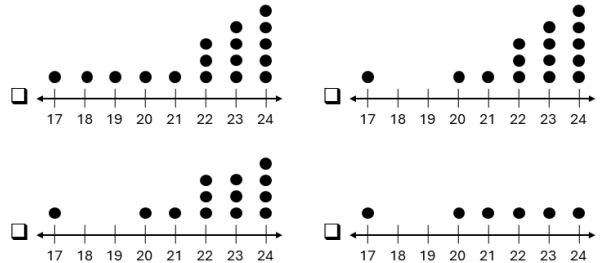
Name: _____

TEKS: 3.8A, 3.8B

Mrs. Reyes counted the number of crayons in each crayon box in her classroom. The numbers listed show the number of crayons in each box.

24, 17, 24, 24, 23, 22, 23, 22, 24, 20, 23, 24, 21, 23, 22

1. Which dot plot represents the number of crayons in the boxes?

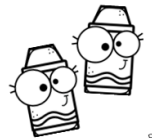


2. How many crayon boxes had exactly 24 crayons? _____

3. How many crayon boxes did Mrs. Reyes count? _____

4. How many more crayon boxes had exactly 23 crayons than had exactly 21 crayons? _____

Challenge: If every box should have 24 crayons, how many total crayons are missing from these crayon boxes? _____



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Perfect for
Intervention

Perfect for Review
& Test Prep

Student Pages Cover

- Frequency Tables
- Bar Graphs
- Scaled Intervals
- Pictographs
- Dot Plots
- 1 and 2-step questions about each graph type

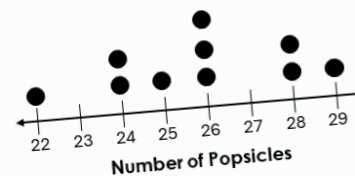
Sweet and Sticky

Name: _____

TEKS: 3.8A

The number of popsicles sold each day for 10 days is represented in the dot plot.

Popsicles Sold Each Day



Shark Graphs

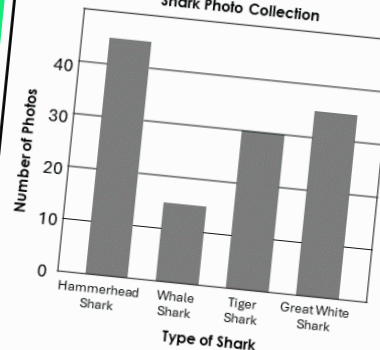


Name: _____

TEKS: 3.8B

Use the bar graphs to answer the questions.

Shark Photo Collection

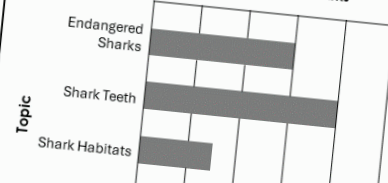


1. How many more great white shark photos are there than whale shark photos?

2. What is the total number of photos in the shark photo collection?



Articles About Sharks



3. How many articles are there about endangered sharks and shark habitats combined?

4. How many more articles are there about shark attacks than about shark habitats?

Art Class

Complete the frequency tables to represent each pictograph.

Name: _____

TEKS: 3.8A CCSS: 3.MD.B.3

Art Show Paintings

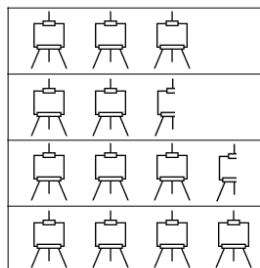
Subject	Number of Paintings
People	
Animals	
Ocean	
Flowers	



Subject

People
Animals
Ocean
Flowers

Art Show Paintings

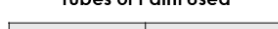


Each  means 4 paintings

Tubes of Paint Used

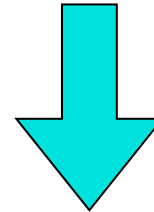


Tubes of Paint Used



Keys Included

to Make Grading Quick & Easy



MARVELMath

What's for Breakfast?

Use the Frequency Table to complete the horizontal and vertical pictographs. Both graphs will represent the same information. Then answer the questions about the graphs.

Boxes of Cereal Sold

Flavor	Number of Boxes
Coco Pops	25
Fruity O's	30
Nut Crunch	15
Magic Puffs	20

Boxes of Cereal Sold

Coco Pops	
Fruity O's	
Nut Crunch	
Magic Puffs	

Each  means 5 boxes of cereal.

2. What is the total number of boxes of Coco Pops, Fruity O's and Magic Puffs sold?

Name: _____

TEKS: 3.8A, 3.8B CCSS: 3.MD.B.3



Boxes of Cereal Sold

Coco Pops	Fruity O's	Nut Crunch	Magic Puffs

Each  means 5 boxes of cereal.

1. How many more boxes of Fruity O's were sold than boxes of Nut Crunch?

3. Create a question about the graph that has an answer of 10.

What's for Breakfast?

Use the Frequency Table to complete the horizontal and vertical pictographs. Both graphs will represent the same information. Then answer the questions about the graphs.

Name: _____

KEY

TEKS: 3.8A, 3.8B CCSS: 3.MD.B.3



Boxes of Cereal Sold

Flavor	Number of Boxes
Coco Pops	25
Fruity O's	30
Nut Crunch	15
Magic Puffs	20

Boxes of Cereal Sold

Coco Pops	    
Fruity O's	     
Nut Crunch	  
Magic Puffs	   

Each  means 5 boxes of cereal.

2. What is the total number of boxes of Coco Pops, Fruity O's and Magic Puffs sold?

25
30
+20
75
75 boxes



Coco Pops	     
Fruity O's	     
Nut Crunch	  
Magic Puffs	   

Each  means 5 boxes of cereal.

1. How many more boxes of Fruity O's were sold than boxes of Nut Crunch?

30
-15
15
15 boxes

3. Create a question about the graph that has an answer of 10.

Sample response: How many more boxes of Coco Pops were sold than boxes of Nut Crunch?

Built for the Standards

DATA & GRAPHS worksheets

Worksheet	Type of Graph	TEKS	CCSS
Numbers in the Middle	Bar Graphs	3.8A	3.MD.B.3
Ready for Recess		3.8A	3.MD.B.3
Help the Hedgehogs		3.8A	3.MD.B.3
Gator Graphs		3.8A	3.MD.B.3
At the Auto Shop		3.8A	3.MD.B.3
Twice as Nice		3.8B	3.MD.B.3
Shark Graphs	Pictographs	3.8B	3.MD.B.3
Ready Recess 2		3.8A	3.MD.B.3
Selling Snow Cones		3.8A	3.MD.B.3
Art Class		3.8A	3.MD.B.3
Sweet as Sugar		3.8B	N/A
What's for Breakfast?	Dot Plots	3.8A, 3.8B	3.MD.B.3
Tic-Tac-Plot		3.8A	N/A
Hop Plots		3.8A	N/A
Rainy Day Dot Plot		3.8A	N/A
Counting Crayons		3.8A, 3.8B	N/A
Sweet and Sticky		3.8A, 3.8B	N/A

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Time & Money Saving BUNDLE

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3rd Grade
Data & Graphing
Unit Bundle



About the Author

This resource was created by Melissa Johnson, who has 16 years of k-10 teaching experience and a masters degree in Mathematics Education. Her resources build conceptual understanding, make connections between math topics and engage students in the mathematics they are learning.

