

Tally Marks

Paste the numbers next to the matching tally marks.

25
27
22
29
18
28
11
20
24
19
26

Garden Animals

Create a Bar Graph

Count the garden animals and use tally marks to show the total. Then create a bar graph using the data.

Total Tally

Bees		
Butterflies		
Ladybugs		

Number of Insects

10
9
8
7
6
5
4
3
2
1
0

Counting Tally Marks

Count the tally marks and write how many there are.

Data Categories

Choose 4 categories to sort the words into and then paste them into the table.

truck	boat	butterfly	pasta	car
hotdog	pizza	shorts	burger	ladybug

The Weather Bar Graph

This graph shows the weather over a month. Read the graph to answer the questions.

1. On how many days was it rainy?

Our Pets Data Collection

Survey 20 people to find out what pet they have. Record their responses on the tally chart and then create a bar graph using the data.

Our Pets

Cat		
Dog		
Other		
None		

Number of Pets

16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0

Our Pets Data Collection

1. How many people have a cat? _____

2. How many people have a dog? _____

3. How many people don't have a pet? _____

4. How many people have a cat or a dog? _____

5. What other pets did people have apart from a dog or cat? _____

Coffee Shop Bar Graph

Coffee Shop Sales

Color the true statements blue. Color the false statements green.

8 muffins were sold	More muffins were sold than tea	10 coffees were sold in total	Bagels were the most popular item
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Betty's Bakery

Create a picture graph of the food sold at Betty's Bakery. Next, answer the questions.

Food Sold	Food Sold at Betty's Bakery																				
<ul style="list-style-type: none"> Bread: Cake: Pie: Pastry: 	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> </table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10												
11	12	13	14	15	16	17	18	19	20												

1. How many breads did Betty sell?

2. How many cakes did Betty sell?

3. How many pies and pastries did Betty sell in total?

4. Which food was most popular?

5. Which food was least popular?

6. How many less pastries than breads did Betty sell?

Pets Tally Chart

Cat		
Dog		
Other		
None		

Popcorn Sold Picture Graph

Popcorn Sold

Friday	
Saturday	
Sunday	
Monday	

Answer the Questions: 1 bucket = 1 popcorn bucket

1. On which day was 3 buckets of popcorn sold?

2. On which day was the most popcorn sold?

3. How much popcorn was sold on Friday?

4. How much popcorn was sold on Monday?

5. True or false? On Sunday, 8 popcorn buckets were sold.

Cubes Line Plot

Count how many cubes are in each stack and then record it on the line plot.

Cube Height

Clothes Shop

Create a Bar Graph

Clothing Items Sold	Number Sold
Dress:	5
Shorts:	5
T-Shirt:	5
Skirt:	5

Questions

1. Which item of clothing was most popular?

2. Did people buy more shorts or skirts?

3. Which item of clothing sold the least?

4. How many dresses and skirts were sold altogether?

Zoo Animals Bar Graph

Animals at the Zoo

Total

Monkey	3
Lion	2
Zebra	4
Rabbit	1

Questions

1. How many monkeys are at the zoo?

2. Which animal is there 4 of at the zoo?

3. How many more zebras are there than lions?

Trees Line Plot

Height of Trees

1. How many trees were 4 feet high?

Spelling Test Bar Graph

Spelling Test Scores

1. How many students scored 70%?

2. How many students scored 100%?

3. What was the most common score?

4. How many more students scored 80% than 60%?

5. How many students scored 90% or over?

6. More students scored 60% than 70%. True or false?

Fishing Time! Picture Graph

Four friends went fishing. The picture graph records how many fish they each caught. Read the graph and answer the questions.

Tally Totals
Max:
Kora:
Jamil:
Ely:

Read the Graph

1. How many fish did Kora catch?

2. How many fish did Ely catch?

3. Who caught the least fish?

4. Who caught the most fish?

5. How many fish did Max and Jamil catch?

6. Did Max catch more fish than Kora?

7. How many fish did Jamil, Ely and Max catch in all?

Roll a Dice Data Collection

Roll a die and order a bar on the chart to show which number you rolled. Keep going until one number reaches 10 rolls. Next, answer the questions.

Number	1	2	3	4	5	6
Count	0	0	0	0	0	0

Read the graph

1. Which number did you roll the most?

2. Which number did you roll the least?

3. How many times did you roll the number 6?

4. How many times did you roll the number 1?

5. How many times did you roll the dice altogether?

6. If you repeated this activity, do you think you would get the same result? Why or why not?

Pencil Tally Chart

These kids counted how many pencils are in their pencil cases.

Who	Pencils
Brad	
Kayla	
Chen	
Jade	

Write the totals:

Brad Kayla Chen Jade

Read the tally chart:

1. Which kid has the most pencils?

2. Which kid has the least pencils?

3. How many pencils does Brad and Chen have in total?

4. How many more pencils does Jade have than Brad?

5. How many more pencils does Kayla have than Chen?

6. How many fewer pencils does Chen have than Jade?

Challenge Question

7. How many pencils do they have altogether?

Ben's Toy Chest Picture Graph

Toys in the Chest

Car	
Train	
Bear	
Block	

Read the picture graph, and write the total toys that Ben has. Next, answer the questions.

Write the Totals

Car	5
Train	5
Bear	5
Block	5

Answer the Questions:

1. Which toy does Ben have most of?

2. Which toy does Ben have least of?

3. How many toys does Ben have all up?

4. How many cars and bears does Ben have?

5. How many more blocks does Ben have than trains?

Restaurant Bar Graph

Name: _____



Number of Orders

14	
12	
10	
8	
7	
6	
5	
4	
3	
2	
1	

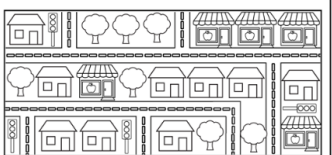
Use the data above to create a bar graph about the food orders at a restaurant. Then, answer the questions.

- Which food was ordered 10 times?
- How many pizzas were ordered?
- How many salads were ordered?
- Which food was ordered the least?
- True or false? More chicken was ordered than burgers.
- How many salads and chickens were ordered in total?

The Town

Name: _____

Count the stores, traffic lights, trees and houses in the town, and record your findings on the bar graph. Next answer the questions.



Number of Items

9	
7	
6	
5	
4	
3	
2	
1	

Add the totals:

- How many _____ are in the town?
- How many _____ are in the town?
- Which item is there 7 of?

Car Tally and Graph

Name: _____

Jane tallied the color of the cars that passed by her window. Write the total, create a bar graph using her data, and then answer the questions.

Color	Amount	Total
Red	II	
White	III III III III	
Black	III III III I	
Silver	III III III III	

Create a bar graph

Read the data

- Which color car did Jane see most of?
- Which color car did Jane see least of?
- How many black and red cars did Jane see in total?
- How many more white cars were there than silver cars?

T-Shirts Picture Graph

Name: _____

T-Shirt Colors in the Shop

pink	
blue	
green	
yellow	

= 1 t-shirt

Color the true statements blue. Color the false statements green.

There are 7 pink t-shirts.	There are 8 yellow t-shirts.	There are fewer pink t-shirts than blue.	Blue is the most popular color.
Pink is the least popular color.	There are more green t-shirts than yellow.	There are 25 t-shirts in the shop.	There are 2 yellow t-shirts.

Fruit Line Plot

Name: _____

This line plot shows the fruit that is in a fruit basket. Read the graph to answer the questions.

Fruit in the Basket

X								
X								
X								
X	X							
X	X	X						
		X						
		X	X					
		X	X	X				

Fruits

- How many grapes are in the basket?
- How many bananas are in the basket?
- How many fruits are in the basket altogether?
- Which fruit is there 5 of?

Favorite Season

Name: _____

Survey 20-30 people to find out their favorite season. Record their answers on the tally chart and then create a picture graph to show your data. For your graph use a circle face to represent each person.

Tally Chart

Summer	
Fall	
Winter	
Spring	

The Best Season

Summer	
Fall	
Winter	
Spring	

1 = 1 person

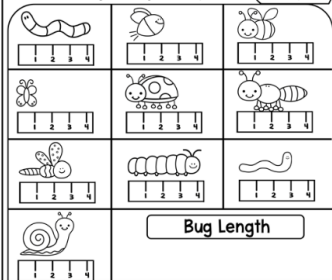
Question Time

1. How many people chose winter?

Bugs Line Plot

Name: _____

Record the length of the bugs on the line plot.



Bug Length

Ice Cream Shop

Name: _____

This graph shows the ice cream sales of Marvin's ice cream shop. Create a tally chart using the data from the graph. Then, answer the questions.

Ice Cream Sales

Chocolate	7
Mint	5
Vanilla	8
Caramel	6

Ice Cream Flavors

Flavor	Tally Marks
Chocolate	
Mint	
Vanilla	

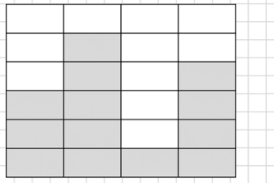
- Which flavor was most popular?
- Did Marvin sell more caramel or mint ice creams?
- How many chocolate ice creams did Marvin sell?

Label a Graph

Name: _____

Directions:

- Add a heading to the graph.
- Label each axis.
- Write numbers on the vertical axis.
- Add categories to the horizontal axis.



Ribbon Line Plot

Name: _____

Toby has lots of leftover ribbon from gifts that he has received. He measured the ribbons in inches and created a line plot. Read the graph and answer the questions.

Length of Ribbons

X							
X							
X							
X	X						
X	X	X					
X	X	X					
X	X	X					
X	X	X					

Length in Inches

- How many ribbons are 6 inches long?
- How many ribbons are 7 inches long?
- Which ribbon length is there most of?
- Which ribbon length is there least of?
- How many 5 inch and 6 inch ribbons are there?
- How many ribbons does Toby have altogether?

Favorite Sea Animal

Name: _____

Survey your class or friends and family to discover their favorite sea animal. Record your findings on the tally chart and then answer the questions.

Favorite Sea Animal

dolphin	
octopus	
seahorse	
turtle	

Favorite Sea Animal

dolphin	
octopus	
seahorse	
turtle	

- How many people did you survey?
- How many people voted for dolphin?
- Which animal was most popular?
- Which animal was least popular?
- In total, how many people voted for octopus or dolphin?

School Trip Line Plot

Name: _____

This line plot shows our class's votes of where we should go on our next school trip.

X							
X							
X							
X							
X	X						
X	X						
X	X						
X	X						
X	X						

zoo farm dam aquarium

Color the true statements blue. Color the false statements green.

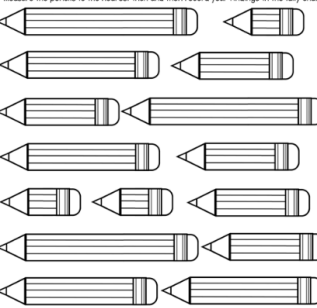
5 people voted to go to the aquarium.	Fewer people voted for dam than zoo.	Dam was the most popular choice.	22 people voted altogether.
More people voted for zoo.	Farm was the most popular.	Dam received the lowest votes.	8 people voted for the zoo.

Pencil Length

Name: _____

Length of Pencils	
Inches	Tally Marks

Measure the pencils to the nearest inch and then record your findings in the tally chart.



Pencil Length

Name: _____

Record your findings on the line plot and answer the questions.

Pencil Length

Inches

Answer the Questions

- How many pencils did you measure altogether?
- Which pencil length was there most of?
- Which pencil length was there least of?
- How many of the longest pencils were there?
- How many of the shortest pencils were there?
- Write your own question.

Categorize and Graph

Name: _____

Choose 3 categories to sort the words into and then create a bar graph using your categories.

dog	rabbit	mom	grandpa	apple
dad	cat	sister	baby	grandma
fish	brother	bird	orange	hamster
mouse	banana	grapes	cousin	aunt

Sort it into Categories

Graph It

Favorite Food

Name: _____

Collect and Graph

Choose 4 different foods. Survey 5 of your friends and/or family and use tally marks to record their favorite food. Next, create a graph using your findings and answer the questions.

Food	Tally

List foods here

Read the Graph

- Which food was most popular?
- Which food was least popular?
- Were you surprised by the result? Why or why not?

Includes lots of differentiation options too!!!



Name: _____

Spelling Test Bar Graph

Spelling Test Scores

Test Score	Number of Students
60%	4
70%	5
80%	10
90%	6

- How many students scored 70%?
- How many students scored 100%?
- What was the most common score?
- How many more students scored 80% than 60%?
- How many students scored 90% or over?
- More students scored 60% than 70%. True or false?
- Seven students scored 90%. True or false?

Challenge Question

- How many students took the spelling test?

Name: _____

Spelling Test Bar Graph

Spelling Test Scores

Test Score	Number of Students
60%	4
70%	5
80%	10
90%	6
100%	2

- How many students scored 70%?
- How many students scored 100%?
- What was the most common score?
- How many more students scored 80% than 60%?
- How many students scored 90% or over?
- More students scored 60% than 70%. True or false?
- Seven students scored 90%. True or false?

Challenge Question

- How many students took the spelling test?

Name: _____

Restaurant Bar Graph

Food Ordered

Food Ordered	Number of Orders
8 orders	10
14 orders	12
5 orders	8
10 or more	10

Use the data above to create a bar graph about the food orders at a restaurant. Then, answer the questions.

- Which food was ordered the most?
- How many pizzas were ordered?
- How many salads were ordered?
- Which food was ordered the least?
- True or false? More chicken was ordered than burgers.
- How many salads and chickens were ordered in total?
- How much food was ordered altogether?

Name: _____

Restaurant Bar Graph

Food Ordered

Food Ordered	Number of Orders
80 orders	100
140 orders	120
50 orders	80
100 orders	100

Use the data above to create a bar graph about the food orders at a restaurant. Then, answer the questions.

- Which food was ordered 100 times?
- How many pizzas were ordered?
- How many salads were ordered?
- Which food was ordered the least?
- True or false? More chicken was ordered than burgers.
- How many salads and chickens were ordered in total?
- How much food was ordered altogether?

Name: _____

Zoo Animals Bar Graph

Animals at the Zoo

Type of Animal	Number of Animals
Monkey	4
Zebra	3
Elephant	2
Antelope	1
Snake	1
Parrot	1

- How many monkeys are at the zoo?
- Which animal is there 4 of at the zoo?
- How many more zebras are there than antelopes?
- How many animals are there at the zoo altogether?
- Which animal is there most?
- How many more monkeys are there than elephants?

Name: _____

Zoo Animals Bar Graph

Animals at the Zoo

Type of Animal	Number of Animals
Monkey	4
Zebra	3
Elephant	2
Antelope	1
Snake	1
Parrot	1

- How many monkeys are at the zoo?
- Which animal is there 8 of at the zoo?
- How many more zebras are there than lions?
- How many animals are there at the zoo altogether?
- Which animal is there most often?
- How many more monkeys are there than elephants?

Name: _____

Favorite Season

The Best Season

Season	Number of People
Summer	10
Fall	8
Winter	5
Spring	7

Question Time

- How many people chose winter?
- How many people chose summer?
- In total, how many people chose fall or spring?
- Which 2 seasons were most popular?
- Which 2 seasons were least popular?
- Which season would you have chosen?

Name: _____

Favorite Season

The Best Season

Season	Number of People
Summer	10
Fall	8
Winter	5
Spring	7

Question Time

- How many people chose winter?
- How many people chose summer?
- In total, how many people chose fall or spring?
- Which 2 seasons were most popular?
- Which 2 seasons were least popular?
- Which season would you have chosen?

Name: _____

Ice Cream Shop

Ice Cream Sales

Ice Cream Flavors	Number of Sales
Chocolate	35
Mint	25
Vanilla	40
Caramel	30

Question Time

- Which flavor was most popular?
- Did Marvin sell more caramel or mint ice creams?
- How many chocolate ice creams did Marvin sell?

Name: _____

Bugs Line Plot

Bug Length

Length in Centimeters	Number of Bugs
3	1
4	2
5	3
6	4

Name: _____

Bugs Line Plot

Bug Length

Length in Centimeters	Number of Bugs
3	1
4	2
5	3
6	4

Name: _____

Fruit Line Plot

Fruit in the Basket

Fruit	Number of Fruits
Apple	3
Banana	2
Grape	4
Orange	1

Question Time

- How many grapes are in the basket?
- How many bananas are in the basket?
- How many fruits are in the basket altogether?
- Which fruit is there 10 of?
- Which fruit is there the least of?
- How many oranges and grapes are there in all?
- How many more apples are there than bananas?

Name: _____

Fruit Line Plot

Fruit in the Basket

Fruit	Number of Fruits
Apple	3
Banana	2
Grape	4
Orange	1

Question Time

- How many grapes are in the basket?
- How many bananas are in the basket?
- How many fruits are in the basket altogether?
- Which fruit is there 10 of?
- Which fruit is there the least of?
- How many oranges and grapes are there in all?
- How many more apples are there than bananas?

Name: _____

Popcorn Sold Picture Graph

Popcorn Sold

Day	Number of Buckets
Friday	3
Saturday	5
Sunday	8
Monday	4

Answer the Questions:

- On which day was 3 buckets of popcorn sold?
- On which day was the most popcorn sold?
- How much popcorn was sold on Friday?
- How much popcorn was sold on Monday?
- How much popcorn were 5 buckets?
- True or false? On Sunday, 80 popcorn buckets were sold.
- How many popcorn buckets were sold on Friday and Saturday?
- How much popcorn was sold on Saturday and Sunday?
- How much popcorn was sold altogether?
- How many days does this graph track?

Name: _____

Popcorn Sold Picture Graph

Popcorn Sold

Day	Number of Buckets
Friday	3
Saturday	5
Sunday	8
Monday	4

Answer the Questions:

- On which day was 30 buckets of popcorn sold?
- On which day was the most popcorn sold?
- How much popcorn was sold on Friday?
- How much popcorn was sold on Monday?
- True or false? On Sunday, 80 popcorn buckets were sold.
- How many popcorn buckets were sold on Friday and Saturday?
- How much popcorn was sold on Saturday and Sunday?
- How much popcorn was sold altogether?
- How many days does this graph track?

Name: _____

Fishing Time! Picture Graph

Fishing Time!

Friend	Number of Fish
Max	3
Kora	4
Jamil	2
Ely	1

Read the Graph

- How many fish did Kora catch?
- How many fish did Ely catch?
- Who caught the least fish?
- Which friend caught the most fish?
- How many fish did Max and Jamil catch?
- Did Max catch more fish than Kora?
- How many fish did Jamil, Ely and Max catch in all?

Name: _____

Fishing Time! Picture Graph

Fishing Time!

Friend	Number of Fish
Max	3
Kora	4
Jamil	2
Ely	1

Read the Graph

- How many fish did Kora catch?
- How many fish did Ely catch?
- Who caught the least fish?
- Which friend caught the most fish?
- How many fish did Max and Jamil catch?
- Did Max catch more fish than Kora?
- How many fish did Jamil, Ely and Max catch in all?