

Name _____

Date _____

Graphs to represent a data set - Independent Worksheet

Complete all the problems. Make sure to draw a graph to help you solve the problems.

1) Helen asked her friends to vote for their favorite food based on four choices.

Make a bar graph of the results:

Food items	Number of votes
burger	1
pastries	3
milk	6
sausages	2

A) How many more votes were casted for sausages than burger? _____

B) How many friends voted for pastries and milk? _____

2) Sally asked her classmates to vote for their favorite pet animal. Make a bar graph of their responses.

Pets	Number of responses
rabbits	1
cats	3
dogs	6
parrots	2

A) Did more people vote for cats or rabbits as their favorite animal? _____

B) How many people voted for parrots or dogs? _____



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3) Andy went to a garage sale and saw some pots, mugs, skateboards, baskets. Make a bar graph of all the items he saw.

Items	Number Andy Saw
pots	5
mugs	3
baskets	1
skateboards	4

A) How many more pots than skateboards did she see? _____

B) Which item did he see the most? _____

4) Shelly team went on a picnic and they brought some coolers, spoons, plates, and knives. Make a bar graph of the supplies they brought.

Items	Number of Items
coolers	4
spoons	2
knives	6
plates	3

A) How many coolers or knives did they bring? _____

B) Which item was there the most of? _____

5) Tom went for a walk outside and saw some swans, fish, ducks and frogs. Make a bar graph of the animals she saw:

Animals	Number of animals
swans	1
fish	4
frogs	5
ducks	3

A) How many more fish than ducks did he see? _____

B) Which animal did he see the most? _____



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6) May looked in the kitchen cupboards and found some pans, plates, knives, and bowls. Make a bar graph of the items she found:

Items	Number of Items
pans	5
plates	2
knives	4
bowls	3

A) How many more pans than knives did she see? _____

B) Which items are there the most of? _____

7) Debby went to a furniture store and saw some lamps, tables, couches and beds. Make a bar graph of the furniture she saw.

Furniture	Pieces of furniture
lamps	4
tables	3
couches	5
beds	2

A) Which piece of furniture did she see more of tables or lamps? _____

B) Which furniture are there the most of? _____

8) Josh went to the farmers' market and saw some apple, mango, melons and pear. Make bar graph of the fruit he saw.

Fruits	Number of fruits
apples	6
mangoes	4
melons	1
pears	2

A) Which fruit did he see the fewest of? _____

B) Which fruits did he see more of apples or mangoes? _____



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9) Maria looked in the kitchen cupboards and found some pans, plates, knives, and bowls. Make a bar graph of the items she found.

Item	Number of items
pans	5
plates	3
knives	1
bowls	2

A) Which item did he see the fewest of? _____

B) Which item is there more of plates or pans? _____

10) Andrew asked ten people what they had for breakfast. Make a bar graph showing how many people had eaten each type of food.

Food item	Number of food items
cinnamon rolls	4
bagels	5
Ice cream	3
pastries	2

A) Which item is eaten more ice cream or pastries? _____

B) Which item is eaten most by people? _____

