

Grades  
|+

# Graphing

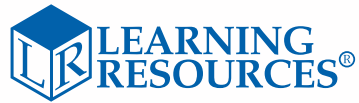
## Flip Chart Activity Book

A resource book that features 20 engaging topics to graph

- **Different graphs on each page:** Bar Graphs, Line Graphs, Pie Charts, and T-Charts
- **Graphing topics include:** Favorite Subject, Favorite Sport, Favorite Color, Favorite Food, How many Boys & Girls in Class, Type of Pet, Eye Color, Favorite Pizza, Brother or Sister, Right or Left Handed, Favorite Season, Favorite Zoo Animal, Birthday Month, Number of Letters in Your Name, Favorite Ice Cream, Favorite Dessert



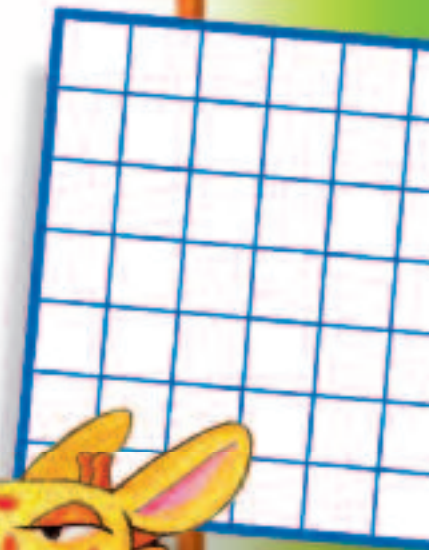
Grades  
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# Graphing

## Flip Chart Activity Book

- 20 blackline masters for graphing
- 2 Create-Your-Own pages
- Student Interest Topics
- Great for the whole class or small groups



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# Introduction

Tables, charts and graphs are important ways to show your data clearly. A graph is a chart or drawing that shows the relationship between things. Graphs commonly display the relationship between numbers or amounts. Common graphs use bars, lines, or parts of a circle to display data.

The Graphing Flip Chart provides examples of the bar graphs, line graphs, and circle graphs.

A **bar graph** is used to show relationships between groups. Two or more things are usually compared in a bar graph. A bar graph is a fast way to show big differences.

A **line graph** is used to show continuing data; how one thing is affected by another. It's clear to interpret data by the rise and fall of the line on the graph. This kind of graph can be used to show the relationship between an independent variable and a dependent variable.

A **circle graph** is used to show how a variable of something relates to the whole. This kind of graph shows percentages effectively.

The different graphs included teach students different ways to collect data and record data. Bar graphs, line graphs, pie charts, and T-charts are covered in a variety of topics. The graphs incorporate topics that students can relate to.

## *Topics Included:*

- Favorite Subject, Favorite Sport, Favorite Color, Favorite Food, How Many Girls and Boys in the Class, Type of Pet, Eye Color, Favorite Pizza, Sister or Brother, Right Hand or Left Hand, Favorite Season, Favorite Zoo Animal, Birthday Month, Number of Letters in Your Name, Favorite Ice Cream, Favorite Dessert

Four blank graphing charts are included in the back of the flip chart to customize a graph with any topic being studied. Other topics that can be graphed are: Hair Color, Playing at the Beach or in the Snow, Favorite Book, or Favorite Movie.

## **How to Use:**

The graphing flip chart can be used in a learning center or as a class demonstration. Most graphs can be completed by taking class surveys. To extend the data collected, students can survey other classes or family members at home.

Discuss the different types of graphs as well as the different parts of a graph. Appropriate titles should be used to explain what the data measures. On line and bar graphs, the x axis and y axis must be labeled with correct unit of measure.

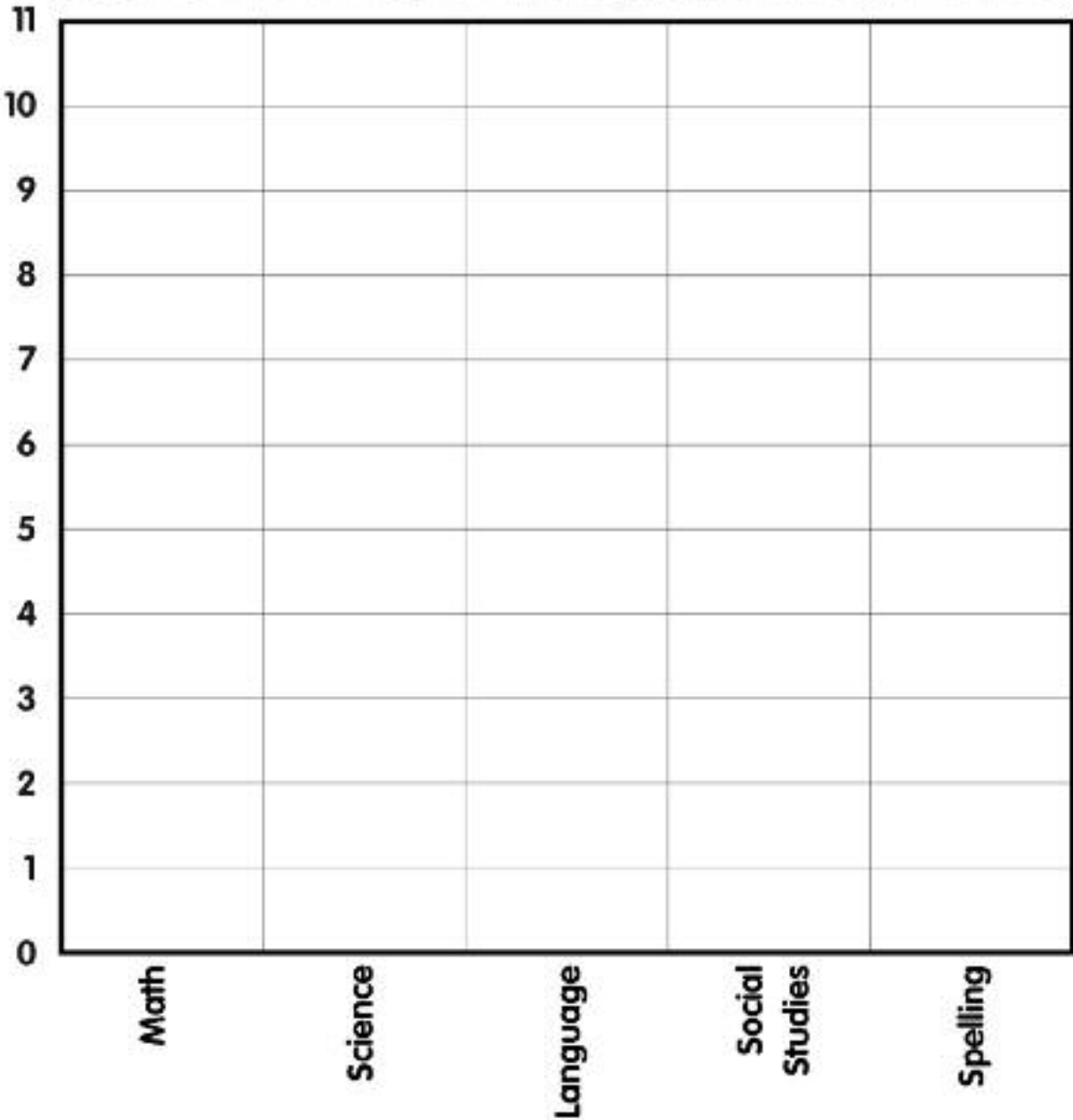
Each page can be used with a dry or wet-erase marker. It is best to test your marker on a corner of the write and wipe pages to make sure your marker works with the flip chart. When erasing the wet-erase marker, do not saturate the pages. Too much water will warp the pages.

Blackline masters of each graph are included for each student to have their own copy. They can be found on the following pages and can be copied for multiple activities. Students should use their own worksheet when learning how to use the different graphs or collecting data.

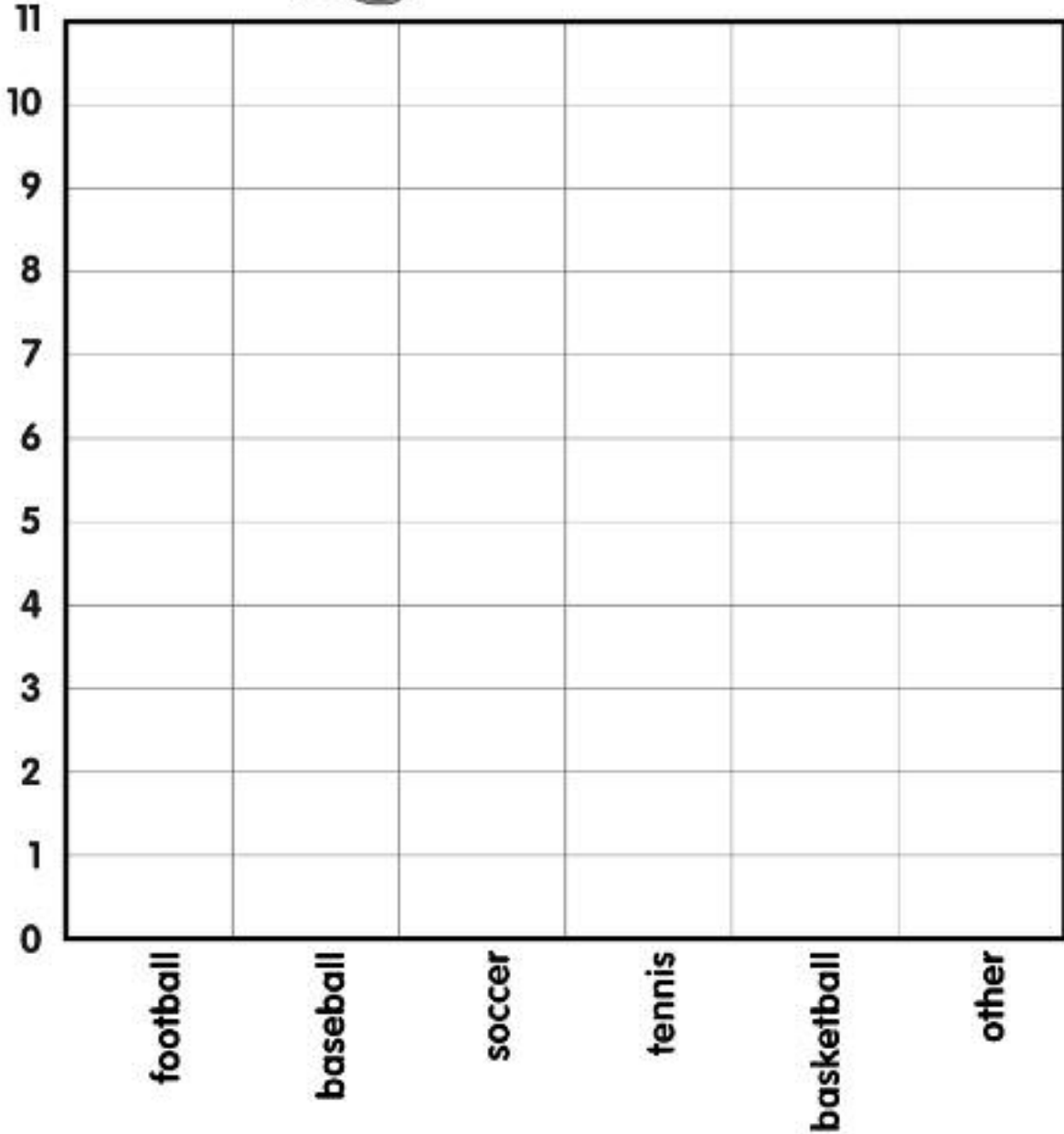
# Contents

Favorite Subject.....	3
Favorite Sport.....	4
Favorite Color.....	5
Favorite Food.....	6
Girls and Boys in the Class.....	7
Type of Pet.....	8
Eye Color.....	9
Favorite Pizza .....	10
Sister or Brother?.....	11
Right Hand or Left Hand.....	12
Favorite Season .....	13
Favorite Zoo Animal.....	14
Birthday Month.....	15
Number of Letters in Your Name .....	16
Favorite Ice Cream.....	17
Favorite Dessert.....	18
Blank Bar/Line Graph (Numbers on Y Axis).....	19
Blank Bar/Line Graph (Numbers on the X Axis) .....	20
Blank Pie Chart .....	21
Blank 2 Column T-Chart.....	22
Blank 3 Column T-Chart.....	23
Blank Tally and Bar/Line Graph .....	24

# WHAT IS YOUR FAVORITE SUBJECT?

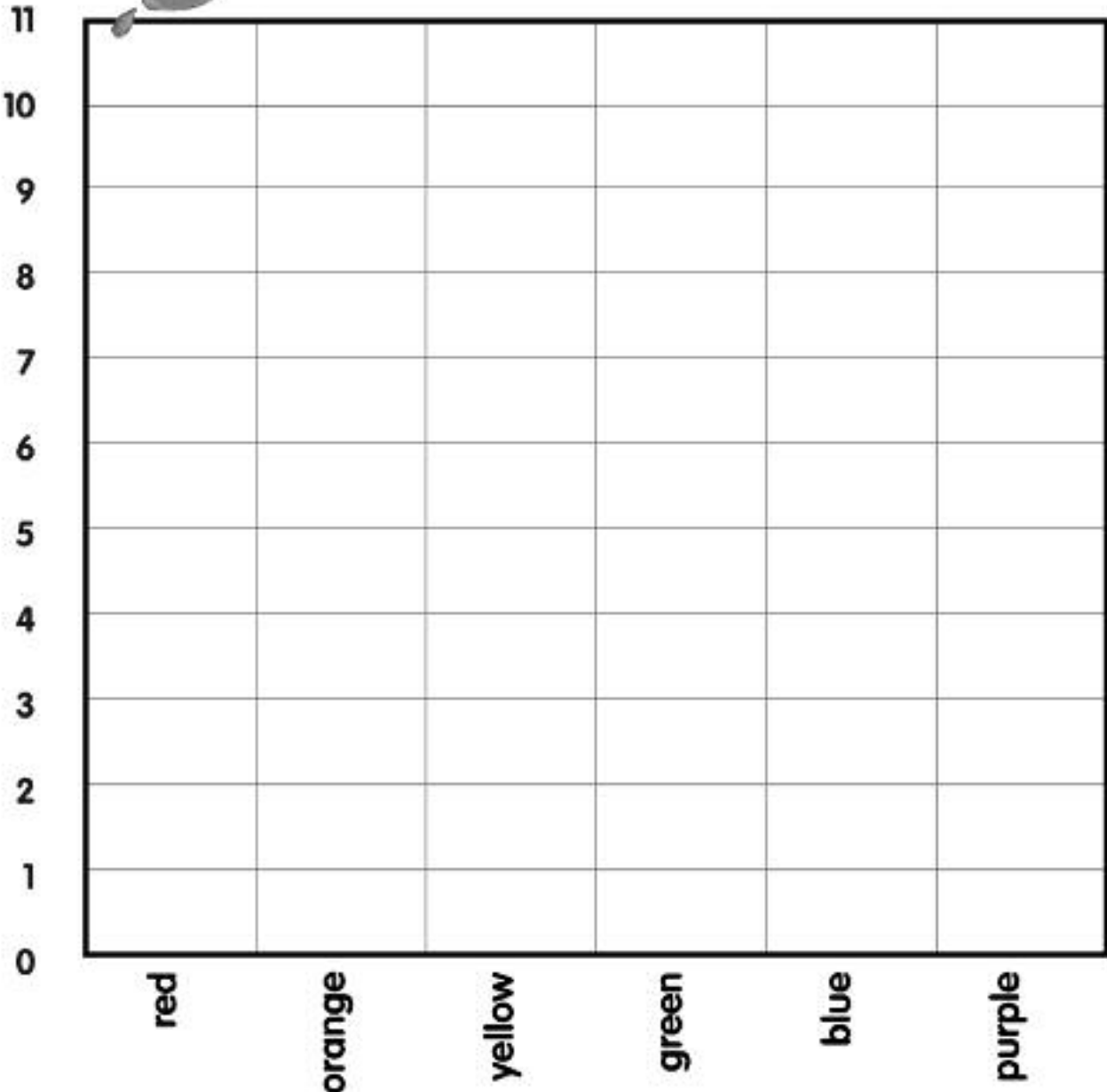


# What is your favorite sport?

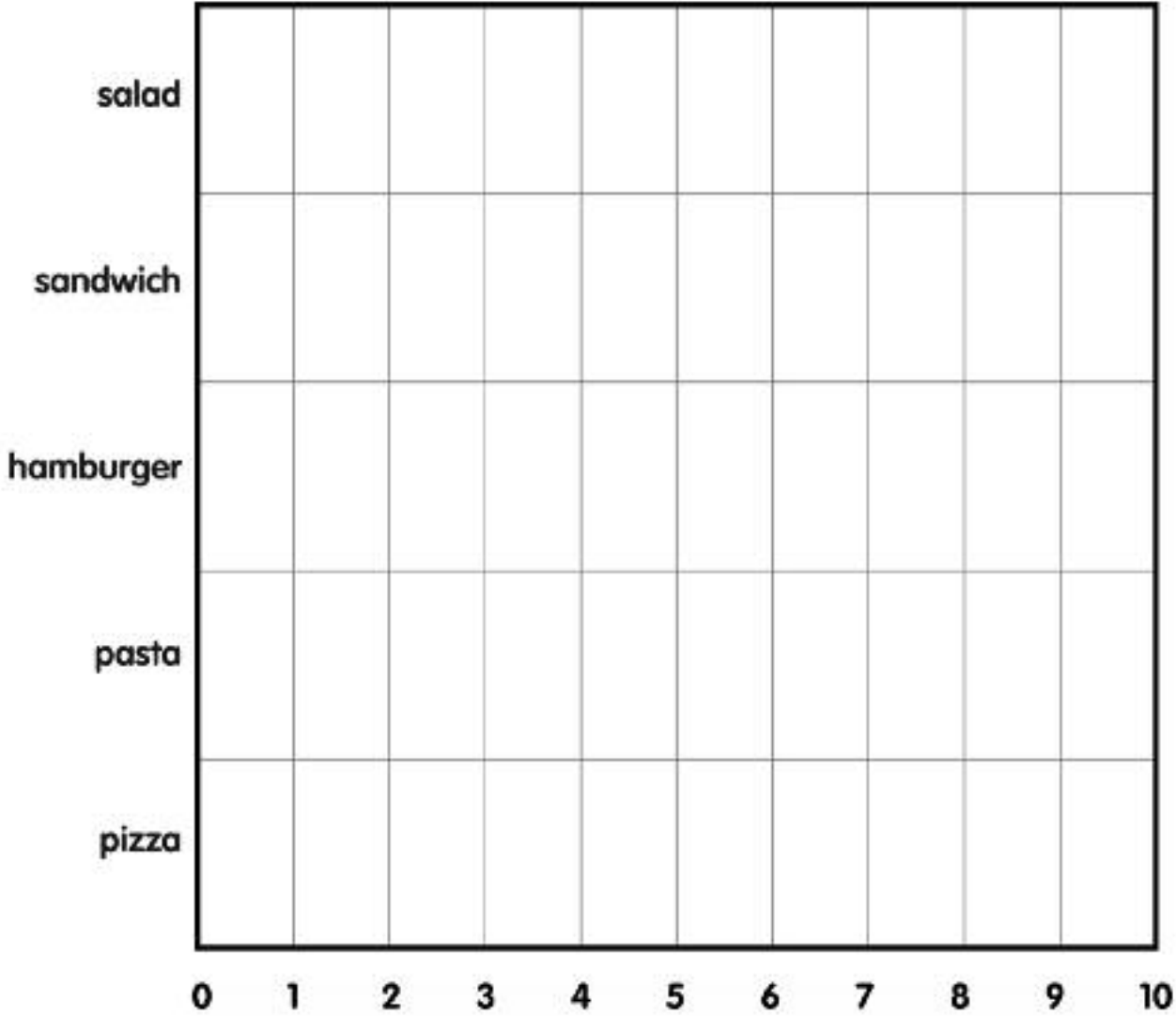




# What is your favorite color?



# What is your favorite food?



# How many boys or girls are in your class?

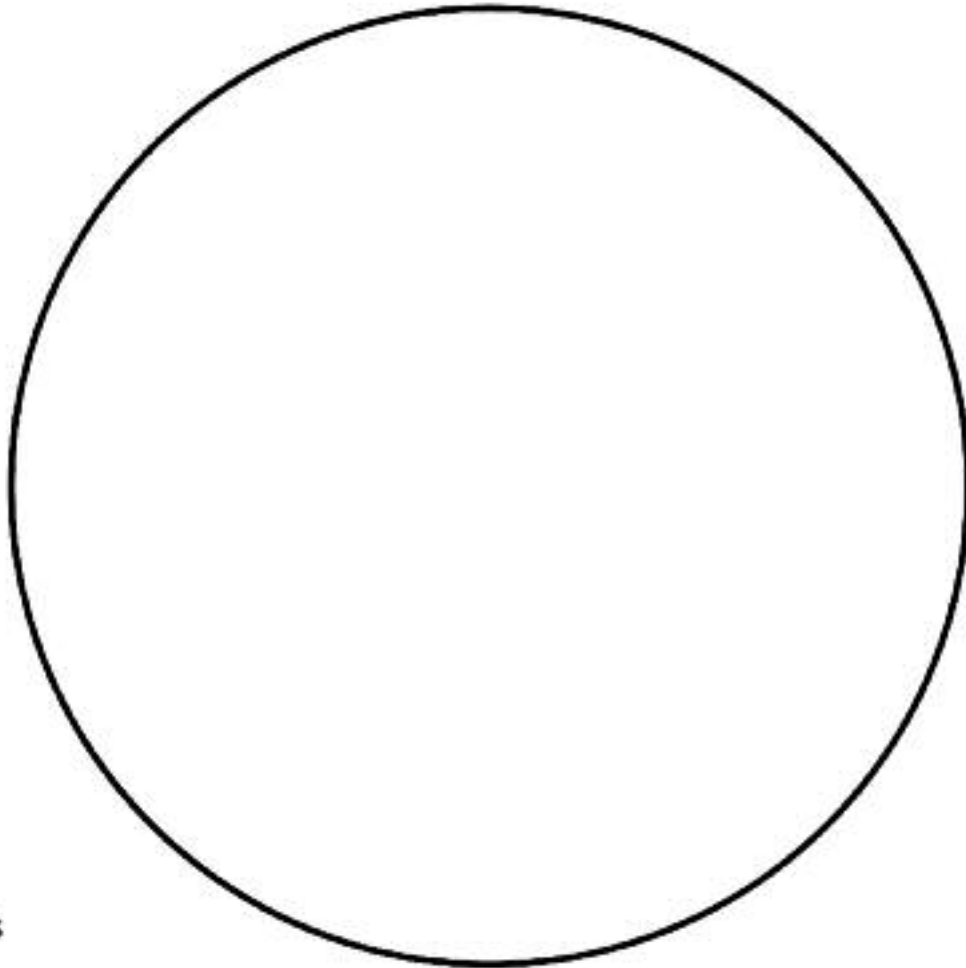


Total \_\_\_\_\_

Total \_\_\_\_\_

Percent \_\_\_\_\_

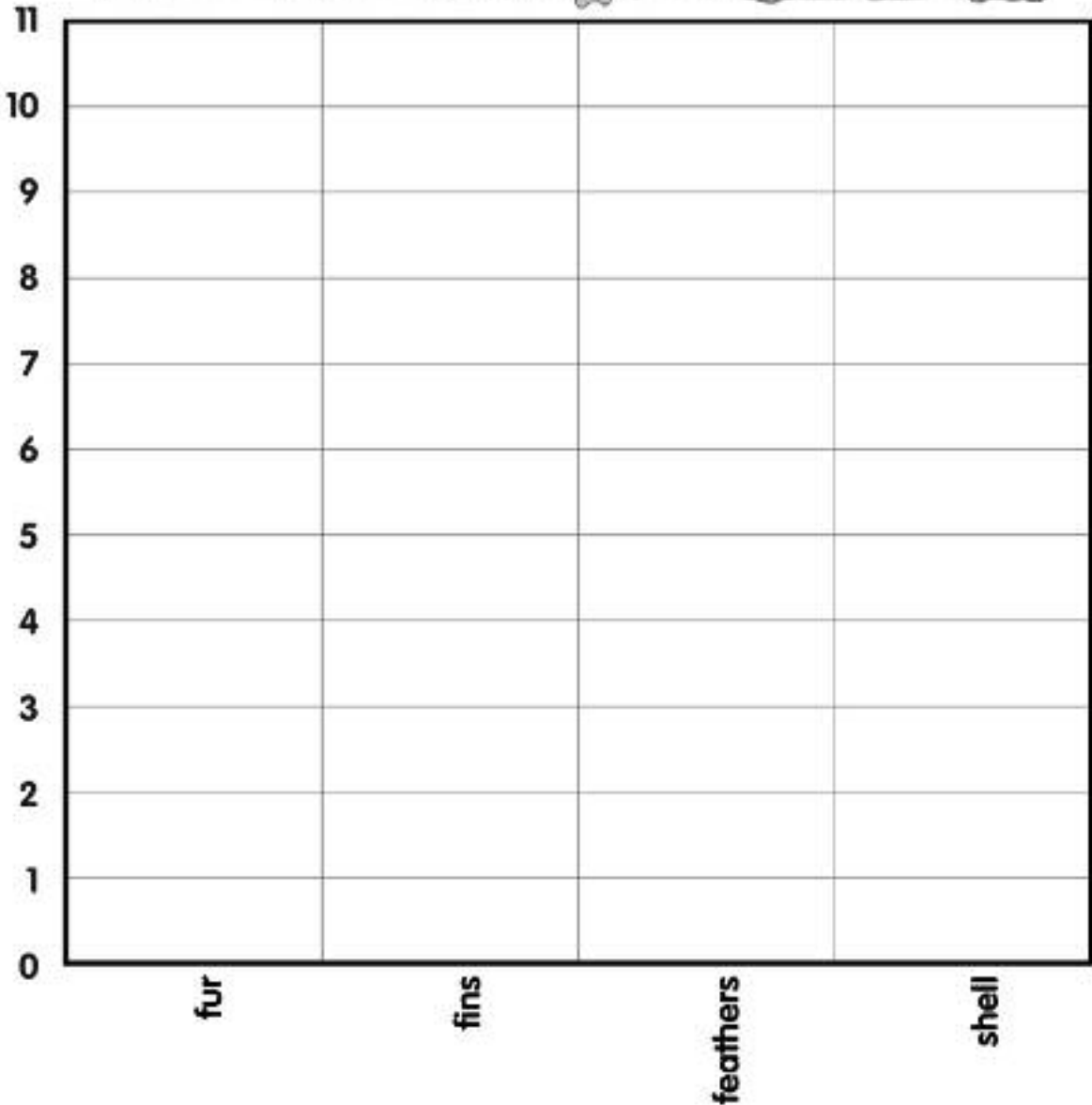
Percent \_\_\_\_\_



Boys

Girls

# Would you rather have a pet with fur, feathers, fins or a shell?



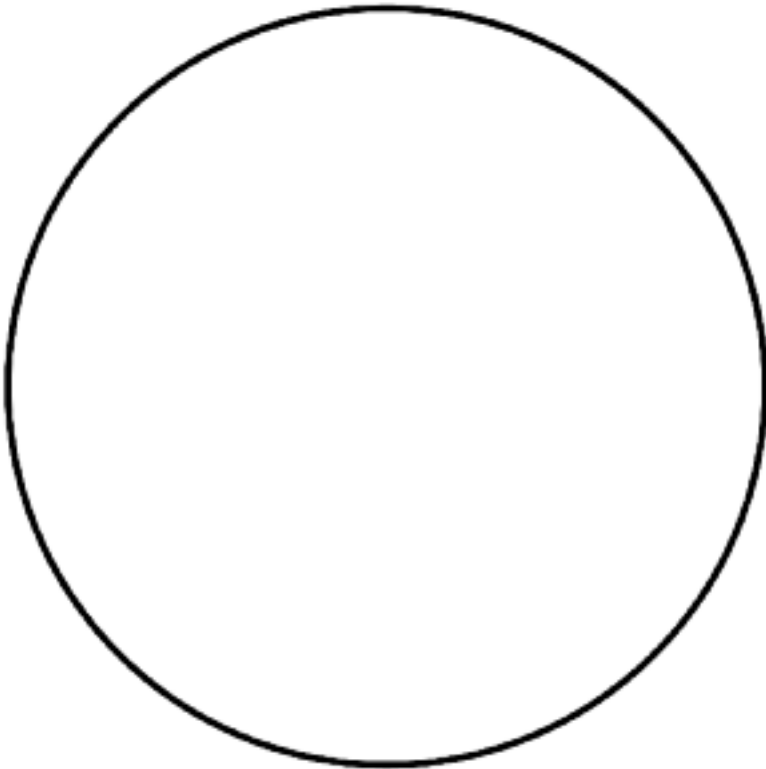
# What color are your eyes?



blue	brown	green	hazel

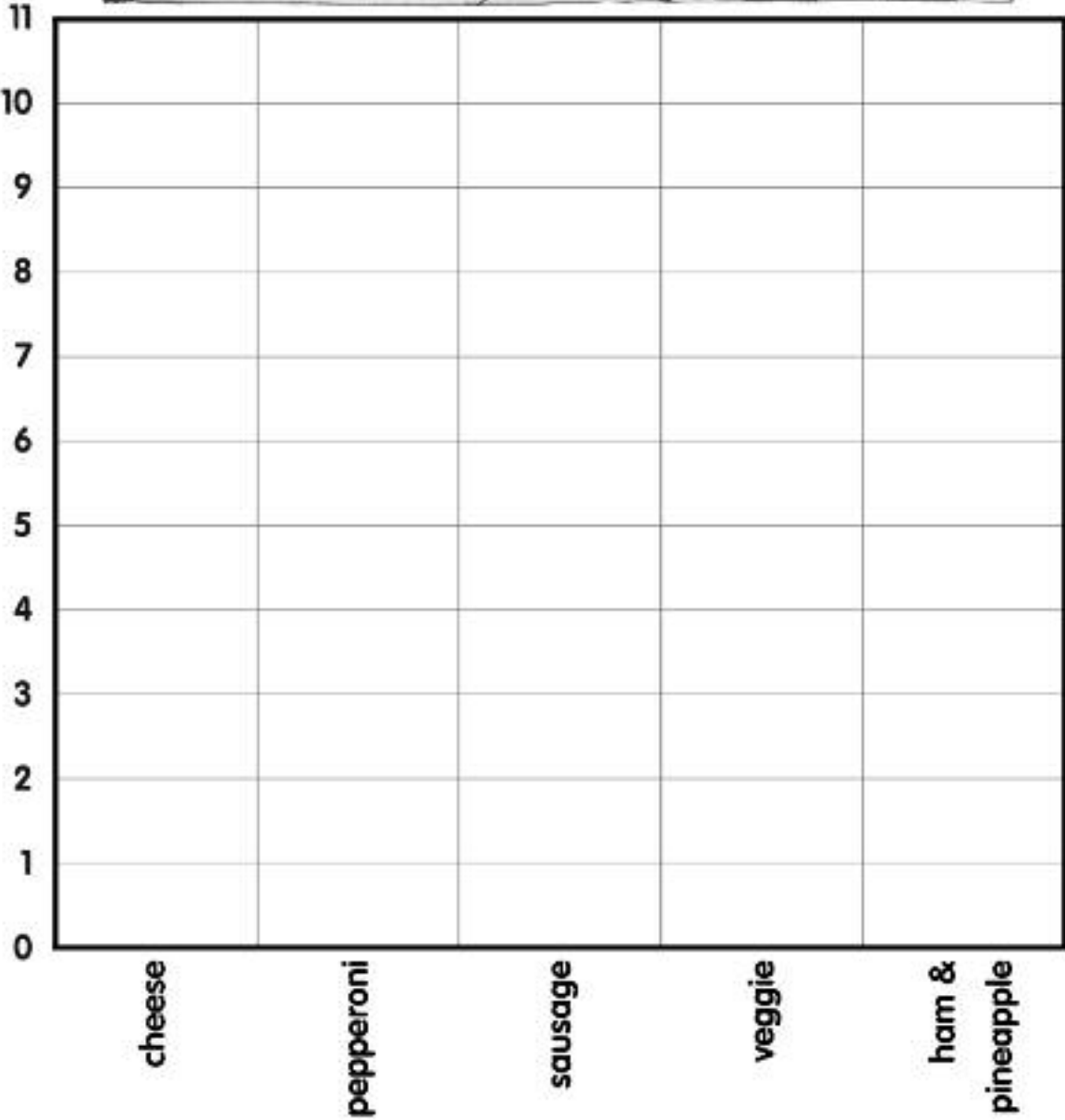
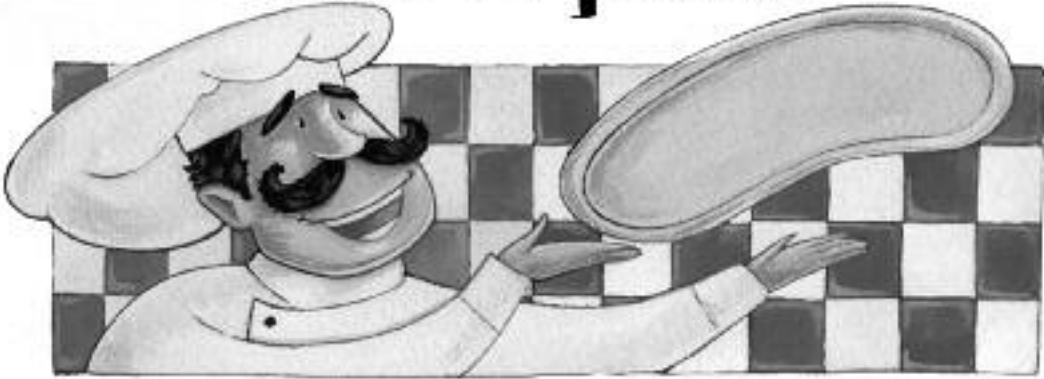
Total \_\_\_\_\_ Total \_\_\_\_\_ Total \_\_\_\_\_ Total \_\_\_\_\_

Percent \_\_\_\_\_ Percent \_\_\_\_\_ Percent \_\_\_\_\_ Percent \_\_\_\_\_



- blue
- brown
- green
- hazel

# What is your favorite kind of pizza?



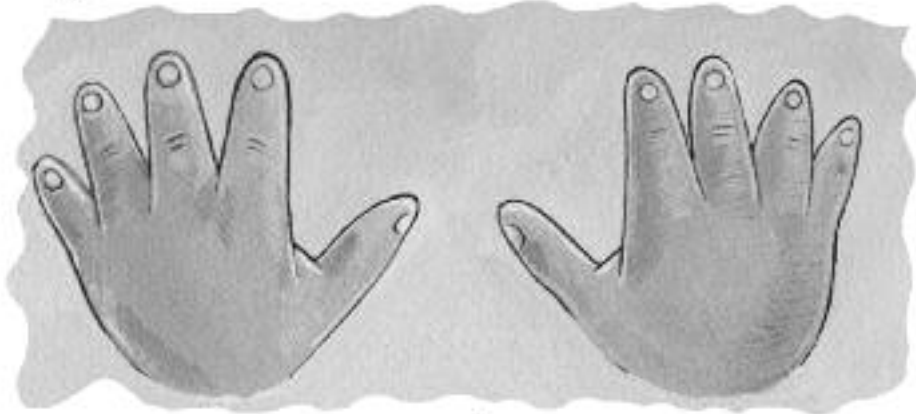
# Brother or Sister?



brother	sister	both	neither

neither											
both											
brother											
sister											
	0	1	2	3	4	5	6	7	8	9	10

# Right or Left Handed?



left

right

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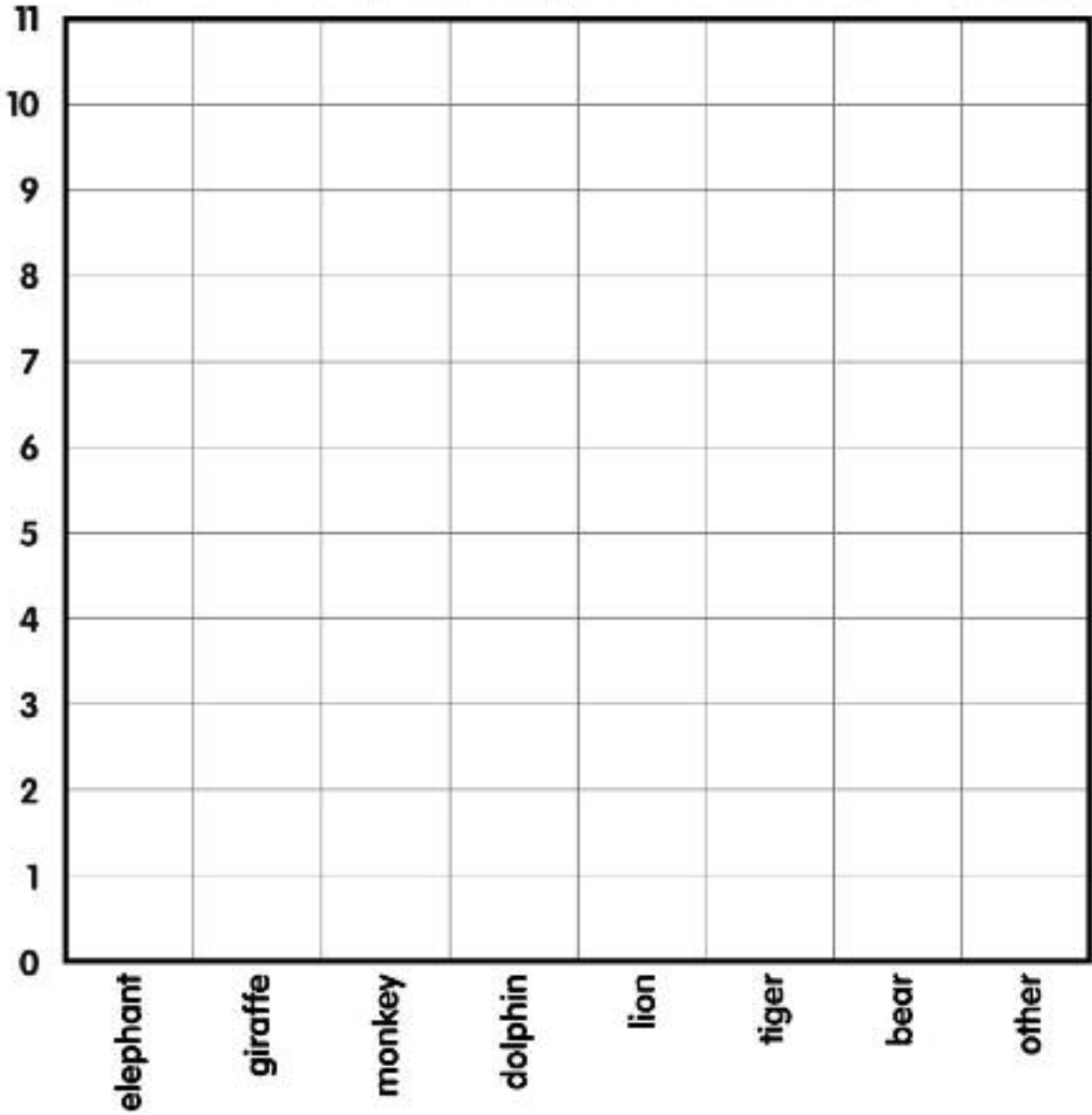
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# Favorite Season

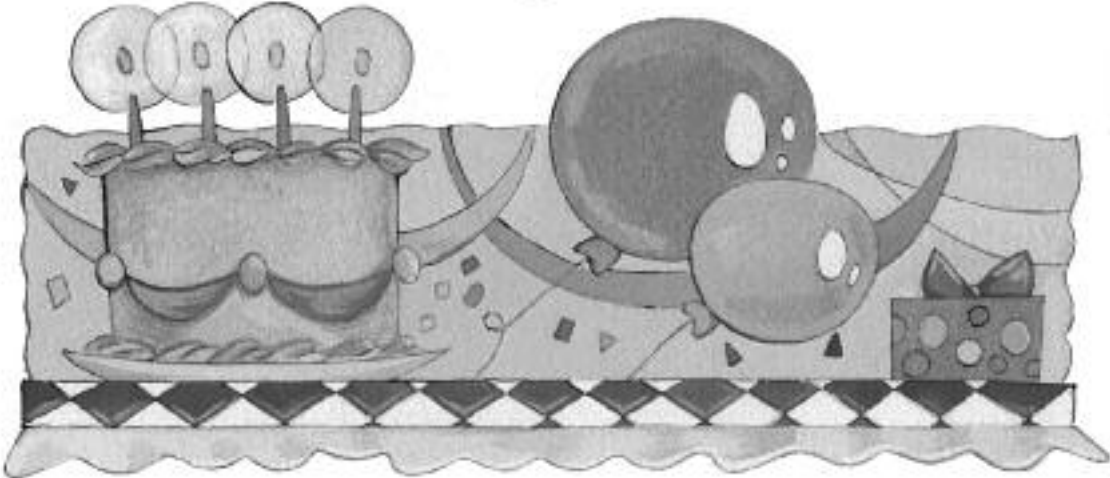


Fall	Winter	Spring	Summer

# FAVORITE ZOO ANIMAL

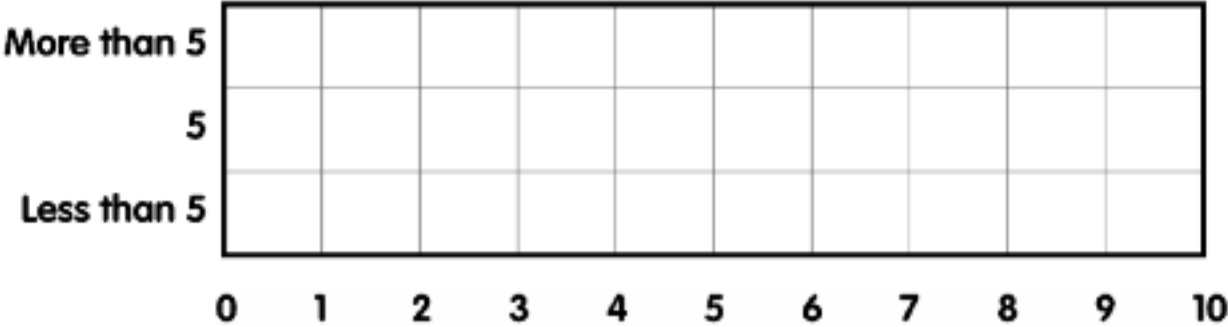
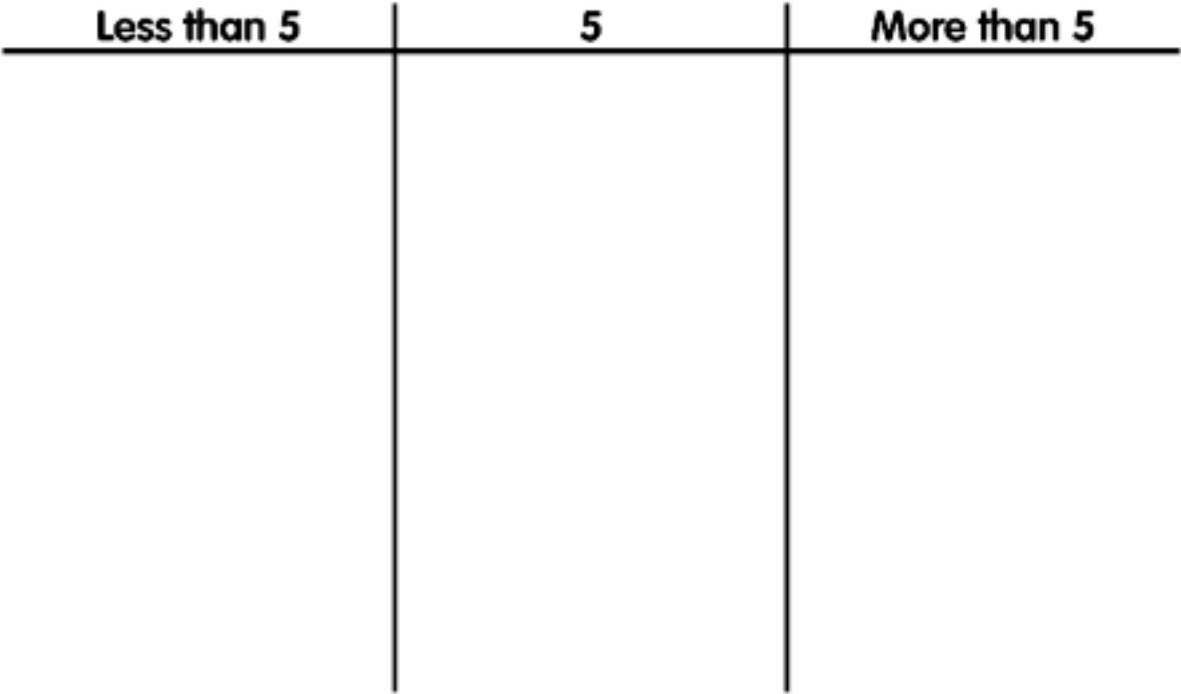


# Birthday Month

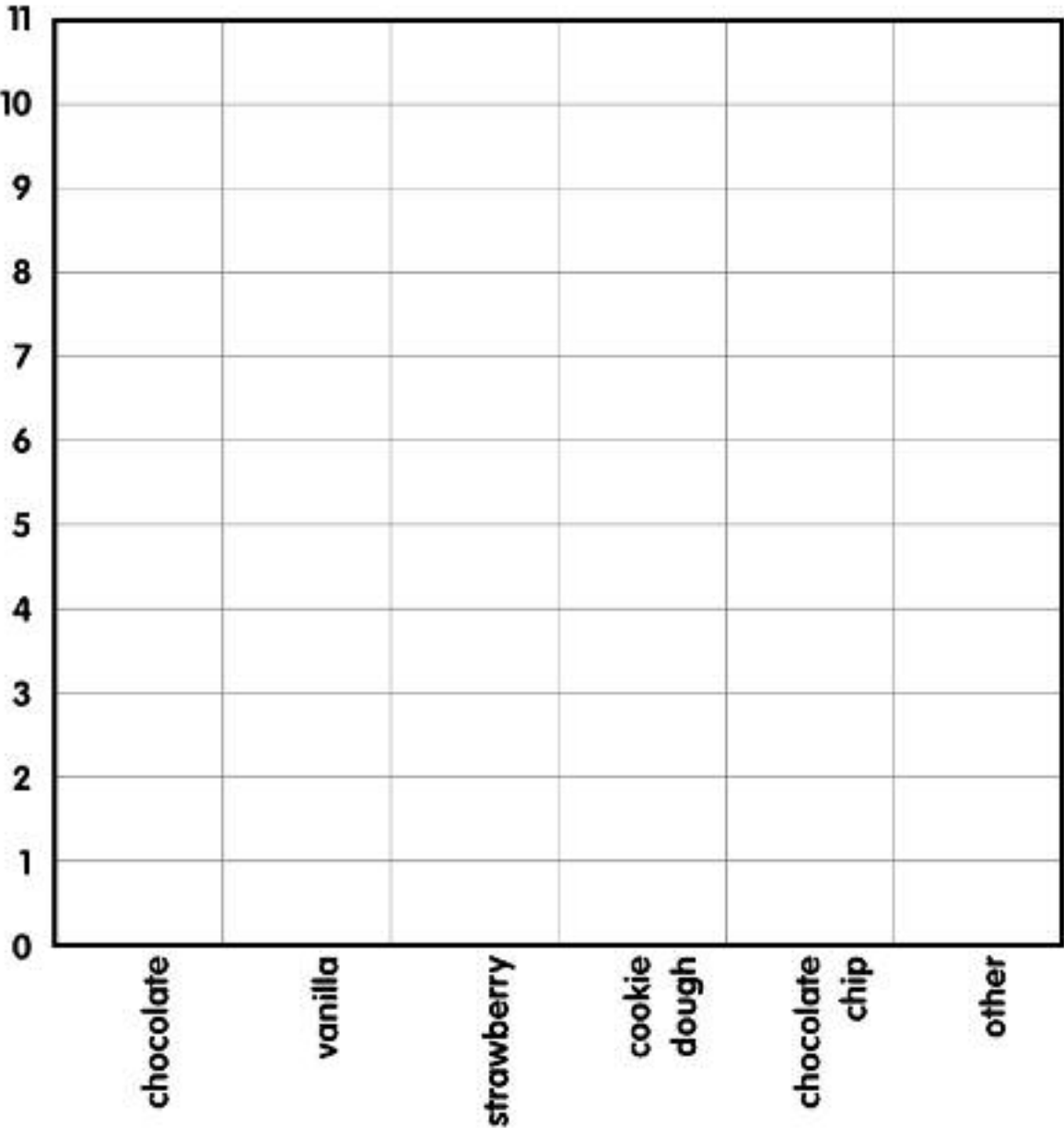


December											
November											
October											
September											
August											
July											
June											
May											
April											
March											
February											
January											
	0	1	2	3	4	5	6	7	8	9	10

# Number of Letters in Your Name



# Favorite Ice Cream?

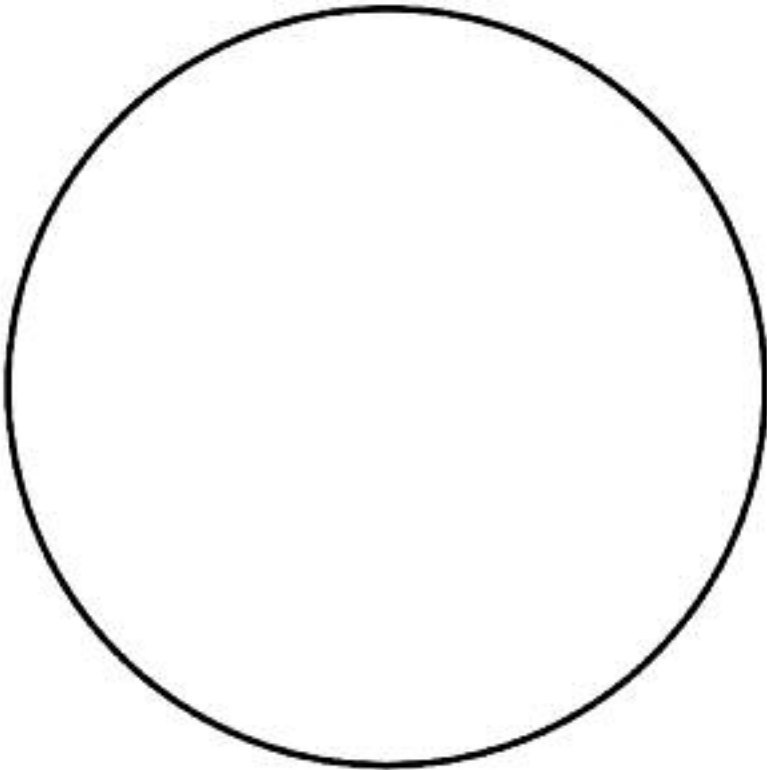


# Favorite Dessert

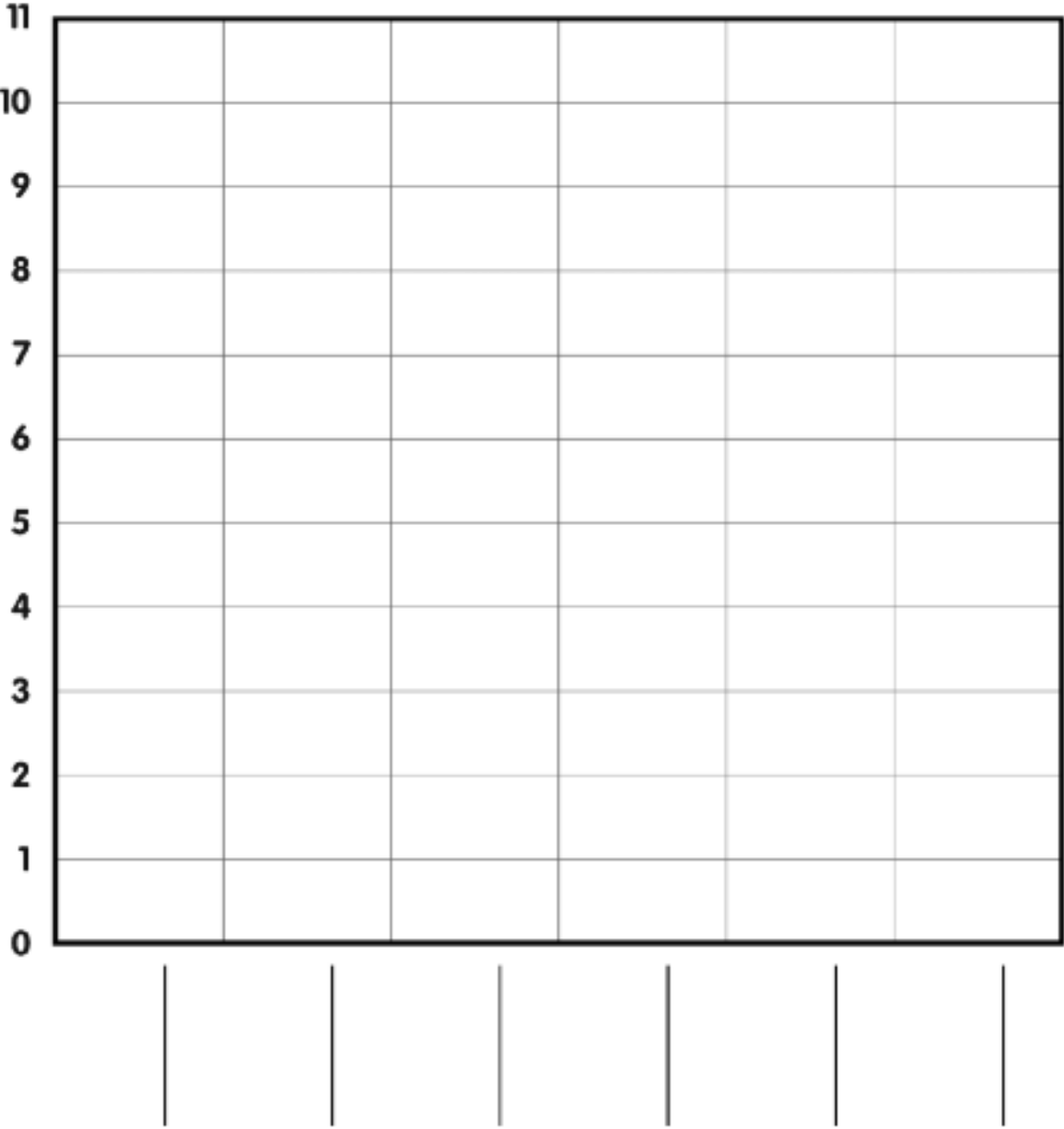


cookies	cake	ice cream	other

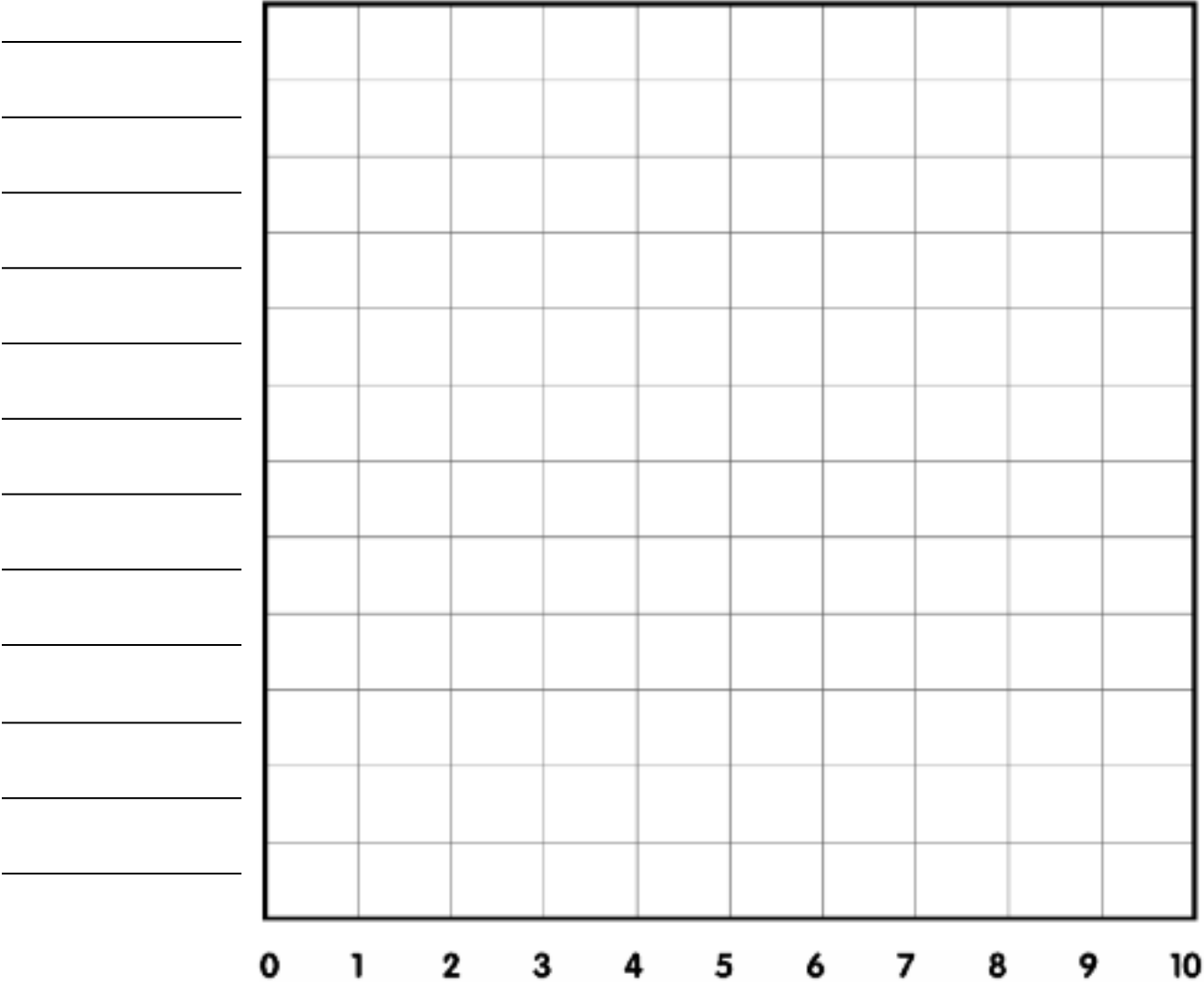
Total \_\_\_\_\_ Total \_\_\_\_\_ Total \_\_\_\_\_ Total \_\_\_\_\_  
Percent \_\_\_\_\_ Percent \_\_\_\_\_ Percent \_\_\_\_\_ Percent \_\_\_\_\_



- cookies
- cake
- ice cream
- other



Name \_\_\_\_\_



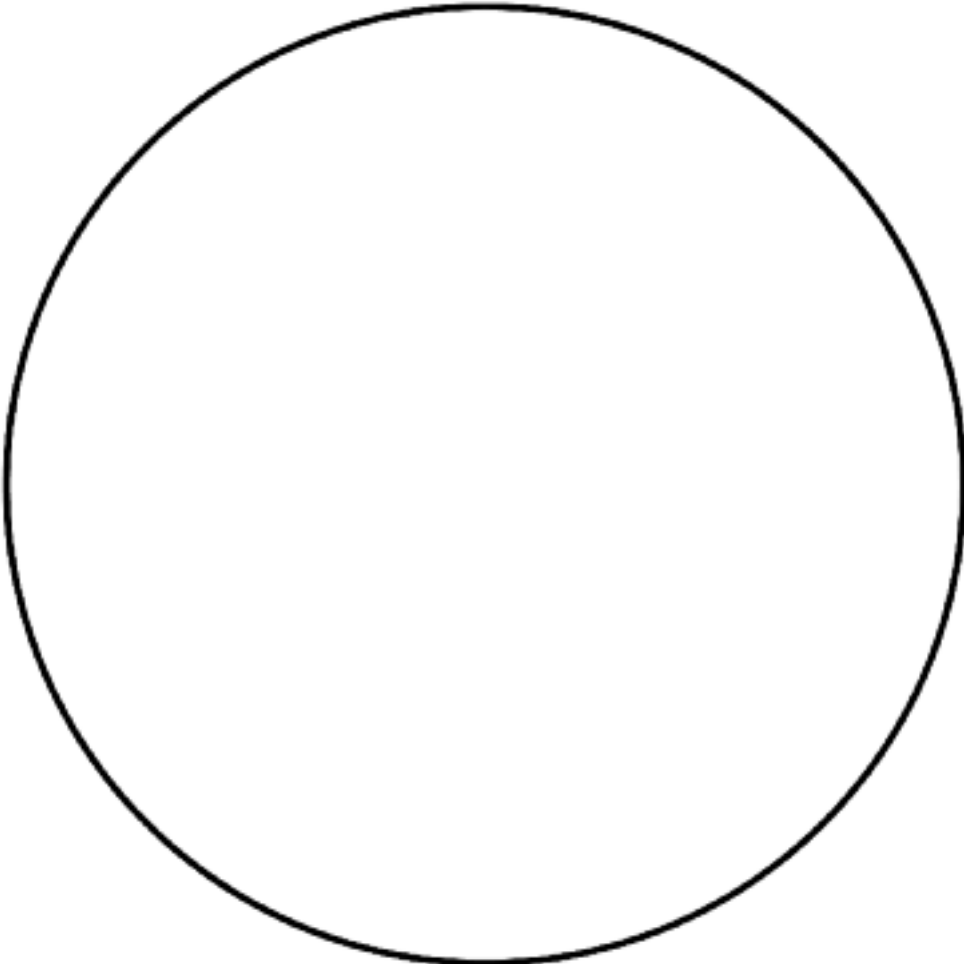


Total \_\_\_\_\_

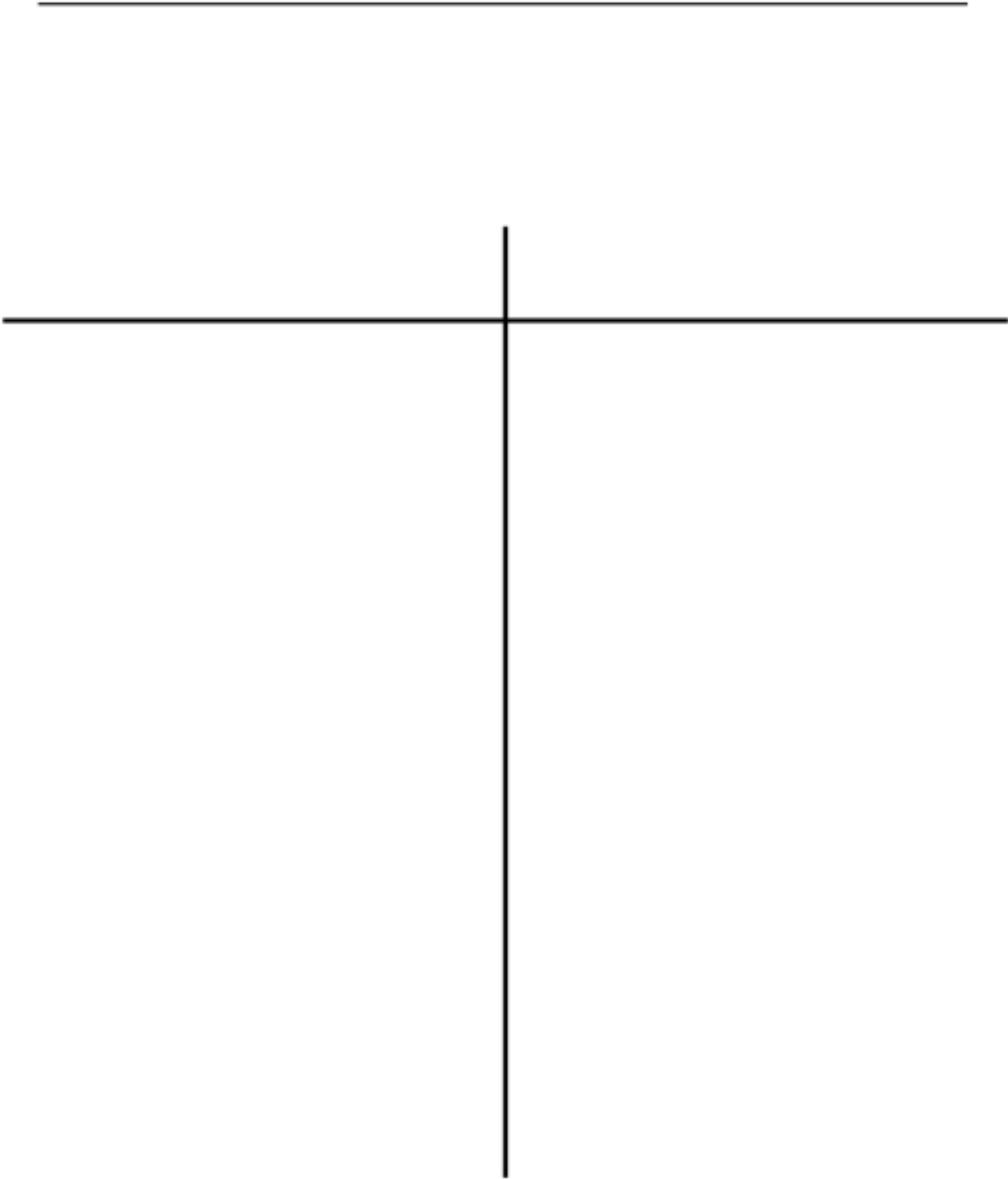
Total \_\_\_\_\_

Percent \_\_\_\_\_

Percent \_\_\_\_\_



Name \_\_\_\_\_



Name \_\_\_\_\_

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Name \_\_\_\_\_

