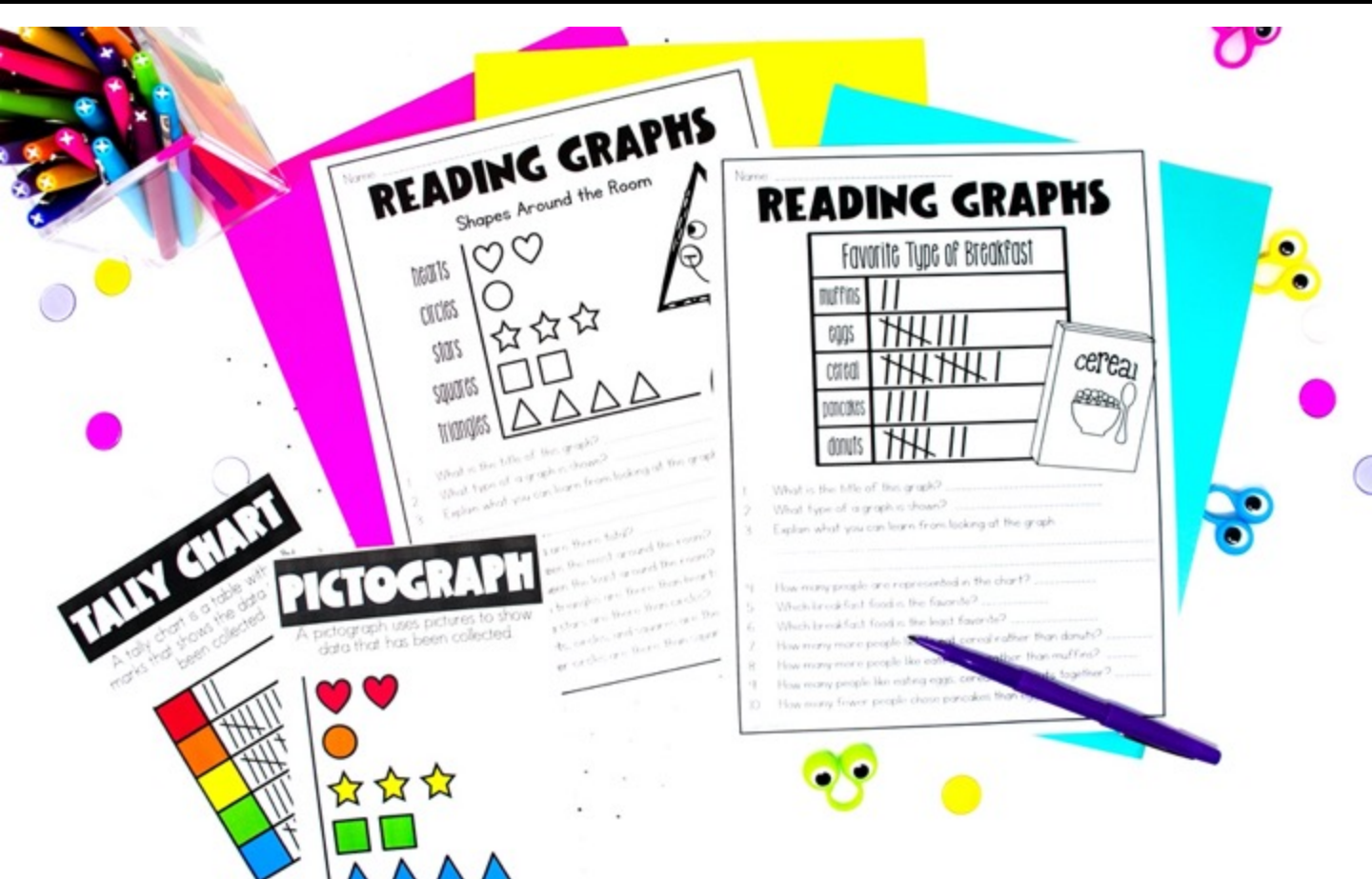


# Let's GRAPH

## WITH BAR GRAPHS AND PICTOGRAPHS



BY: AMY LEMONS

# POSTERS

These posters can be used and displayed during your graphing unit.

## LINE PLOT

A line plot is a graph that shows frequency of data along a number line.



## PIE GRAPH

A pie chart is a type of graph in which a circle is divided to show data.



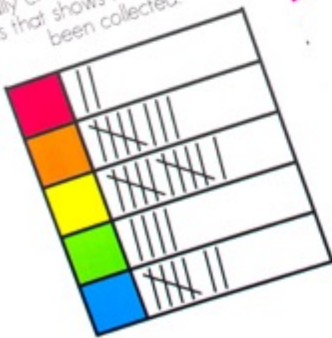
## LINE GRAPH

A line graph shows information that is connected in some way.



## TALLY CHART

A tally chart is a table with tally marks that shows the data that has been collected.



## PICTOGRAPH

A pictograph uses pictures to show data that has been collected.



## BAR GRAPH

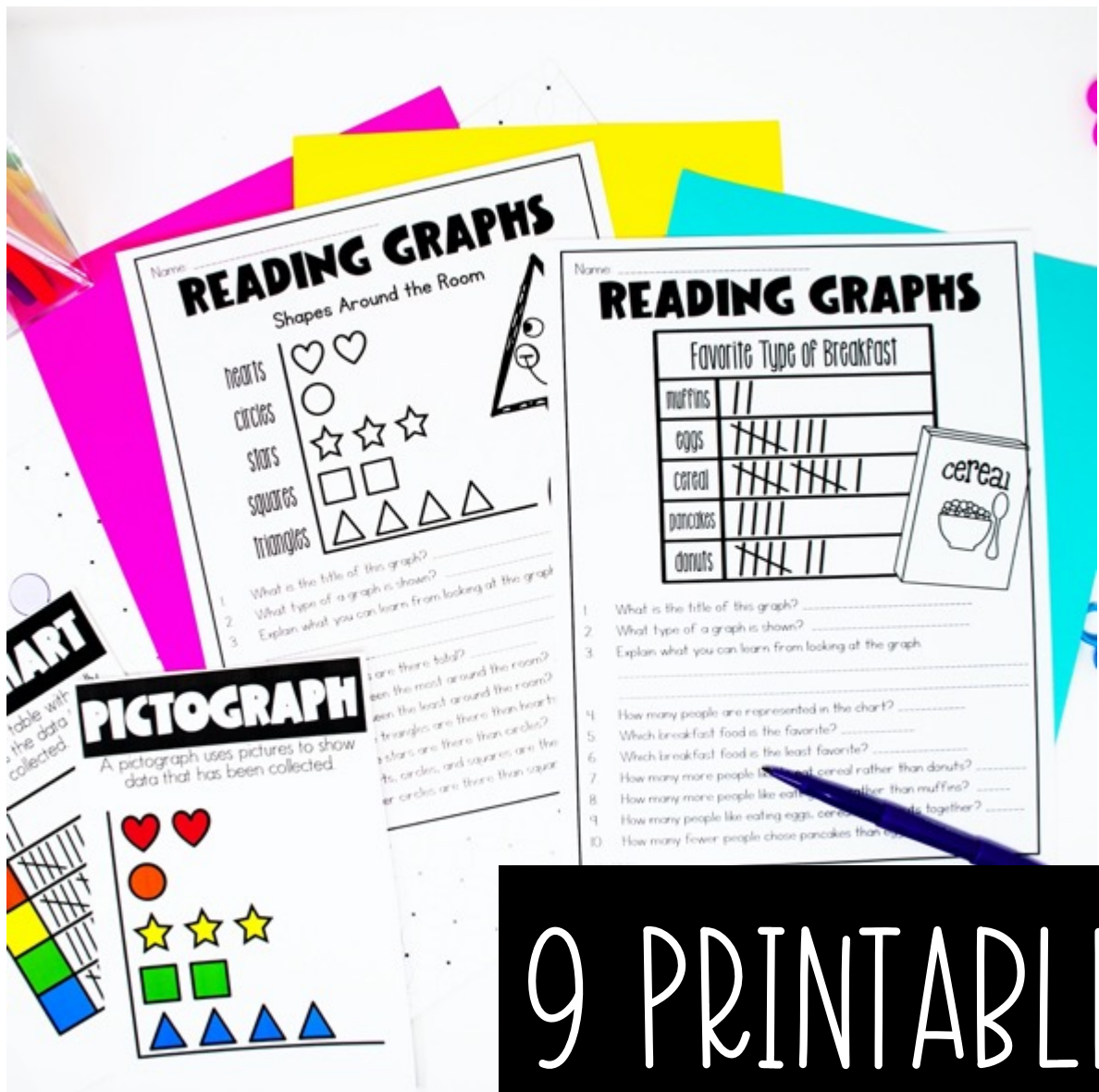
A bar graph uses bars to show data that has been collected.



6 POSTERS

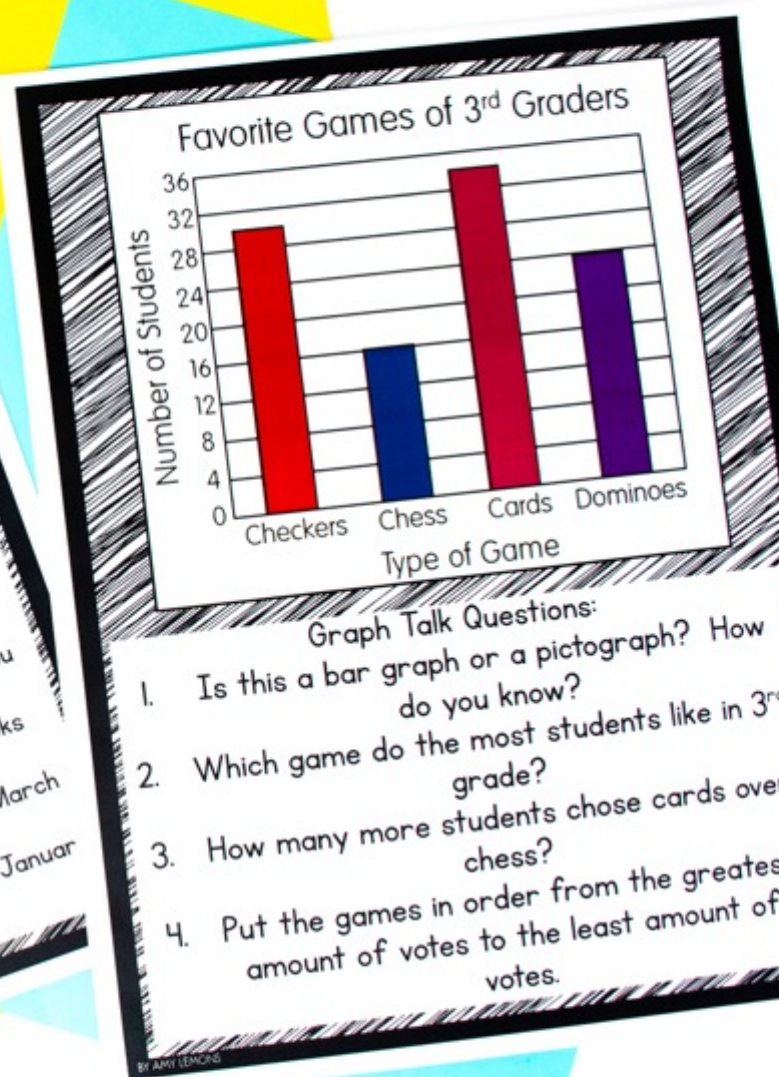
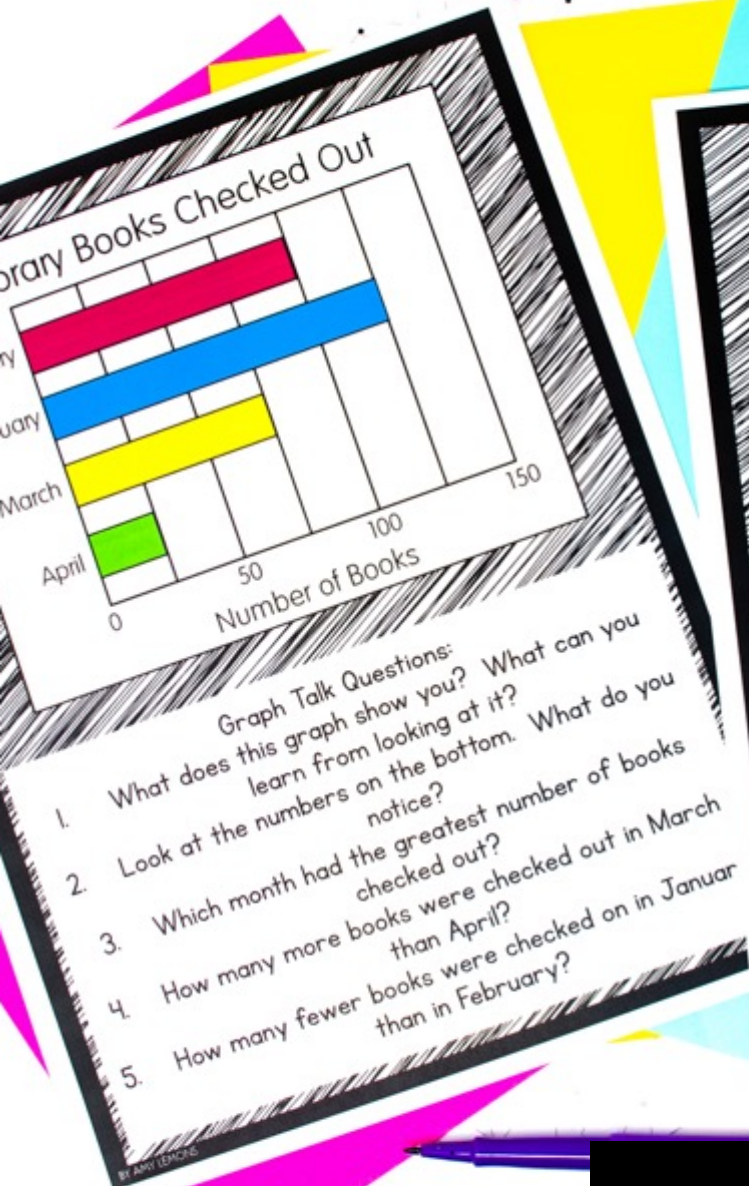
# PRINTABLES

These graphs can be used to assess your students' understanding of reading and creating graphs.



# 9 PRINTABLES

# GRAPH TALKS



8 GRAPH TALKS

# INTERACTIVE GRAPHS

These interactive graphs can be done independently, but they are a little more fun than a regular worksheet because the kids are actively gathering their data.

The image shows two colorful worksheets for interactive graphing. The first, 'Roll and Graph!', features a bar graph with a vertical axis from 1 to 10 and a horizontal axis for numbers 1-6. A die is shown with the number 5. The second, 'Flip and Graph!', features a bar graph with a vertical axis from 1 to 18 and a horizontal axis for 'heads' and 'tails'. A coin is shown. Both worksheets include questions and handwritten answers.

**Roll and Graph!**

1. Which number did you roll the greatest amount of times? 2

2. Which number did you roll the least amount of times? 5

3. Make an addition sentence 2 + 2 = 4 with your data.

4. Write an instruction sentence to go with your 2.

**Flip and Graph!**

Frequency	heads	tails
18		
17		
16		
15		
14		
13		
12		
11		
10		
9		
8		
7		
6		
5		
4		
3		
2		
1		

1. Which side of the coin did you land on the greatest amount of times? tails

2. Which side of the coin did you land on the least amount of times? heads

3. How many times did you flip the coin in all? 17

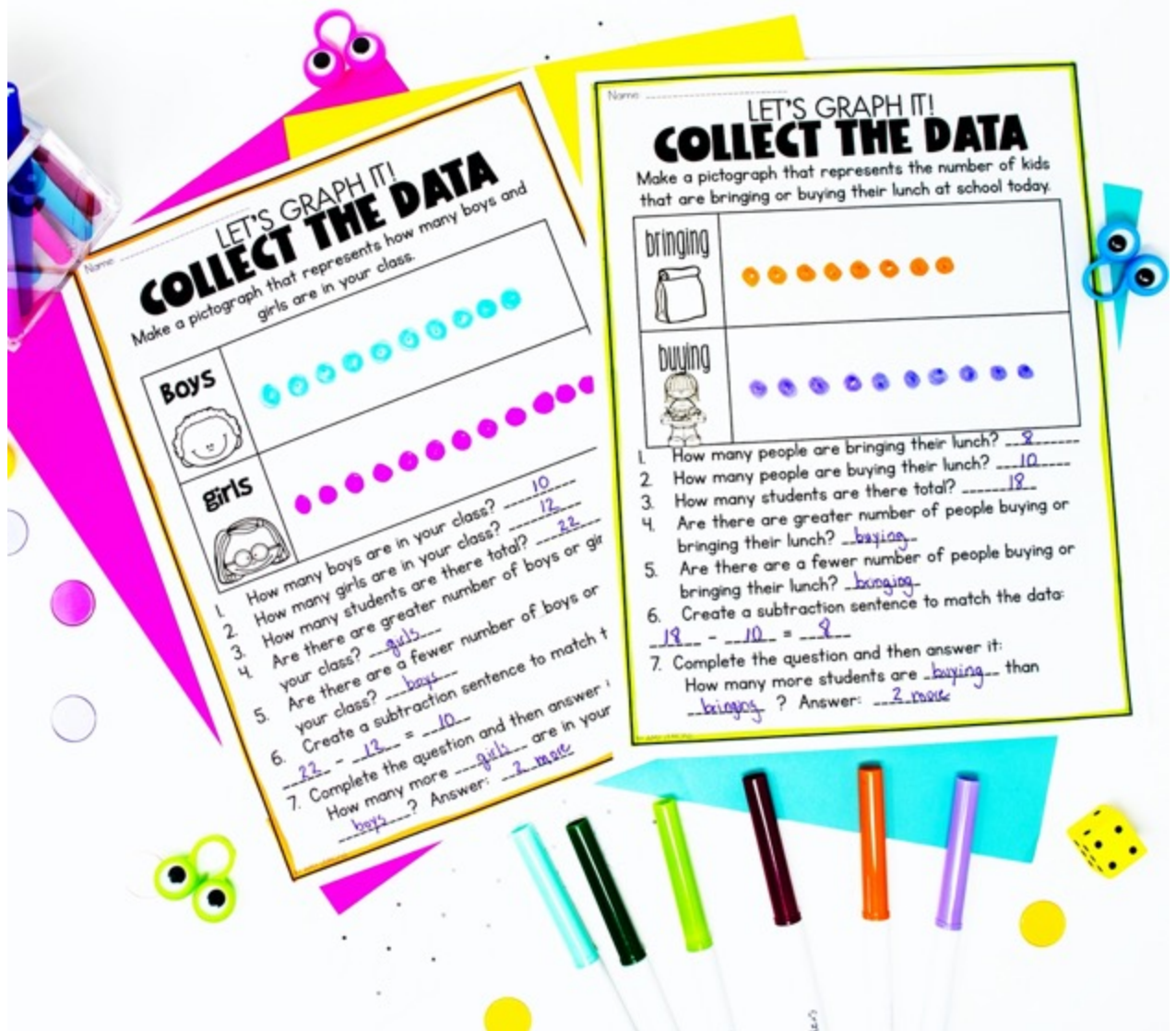
4. Complete the question and then answer it.

How many more times did you land on tails than heads?

Answer: 3 more

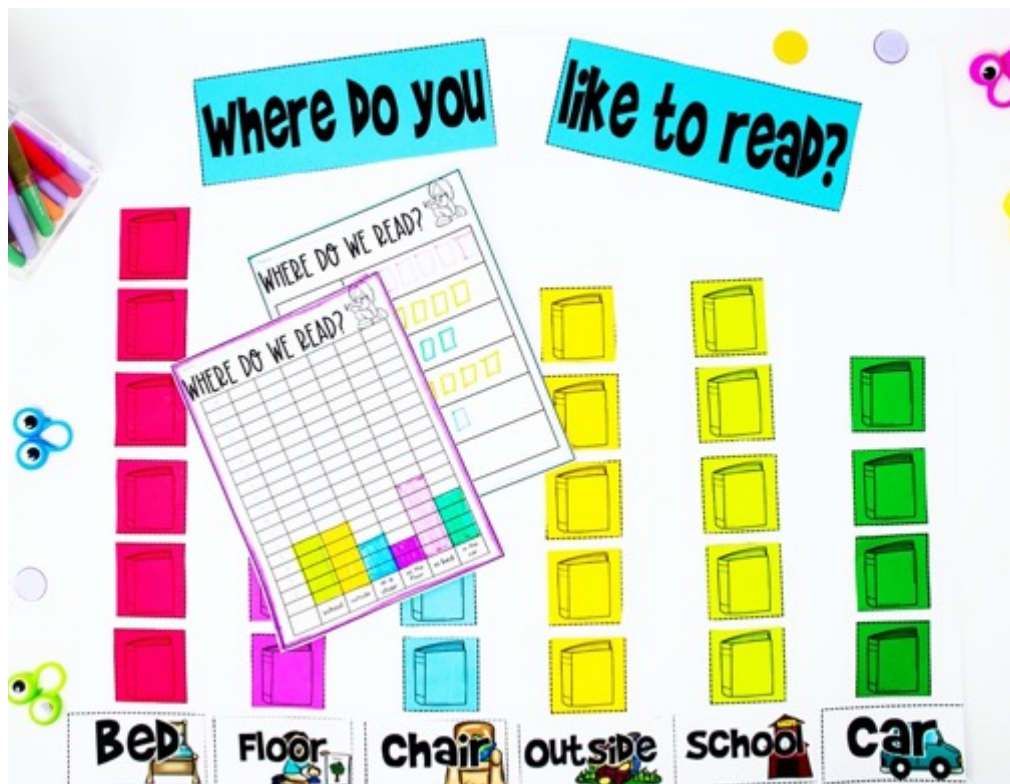
# INTERACTIVE GRAPHS

These interactive graphs can be done independently, but they are a little more fun than a regular worksheet because the kids are actively gathering their data.



# CLASS GRAPHS

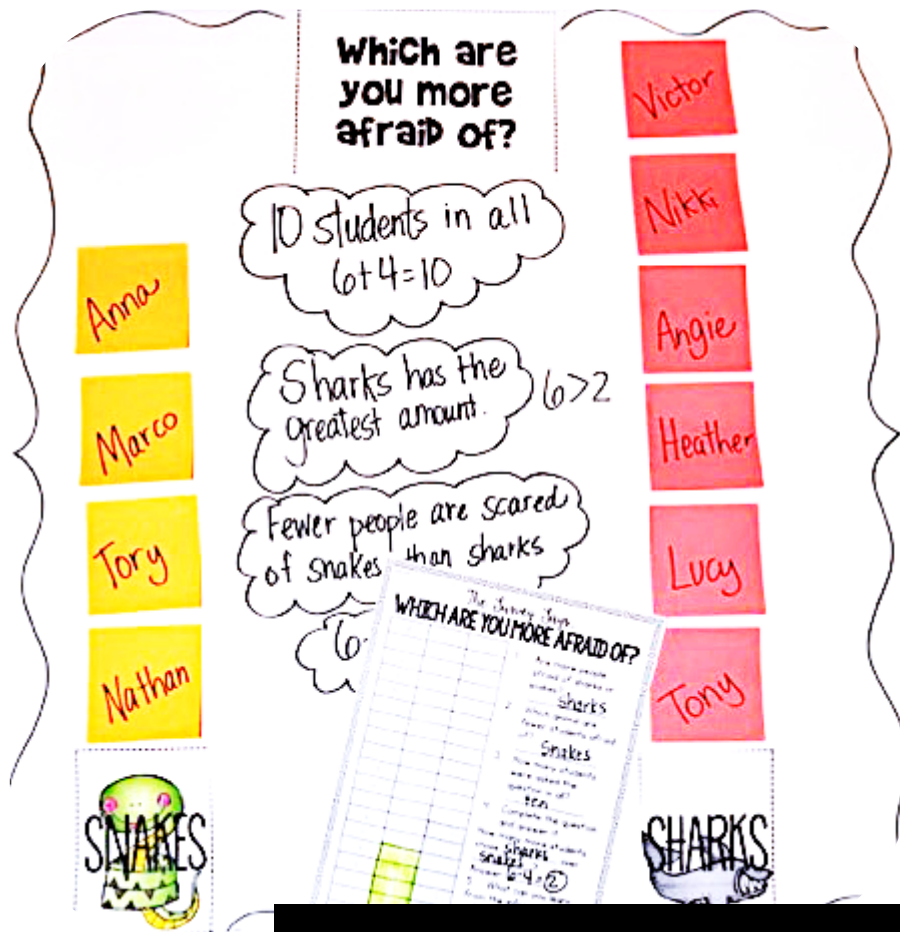
These graphs are meant to be used in a pocket chart or on butcher paper as a class. The graph question cards can be used to guide your graph talks. Each graph has a question, choice, and student response square to form the graph. There is also a printable graph (both bar or pictograph that you can choose from) that students can use to represent the data that the class gathered.



# 10 CLASS GRAPHS

# CLASS SURVEYS

Class Surveys can be used in a pocket chart or on butcher paper. These surveys have two answer choices. Students can either use sticky notes or just write their name on the chart paper to show their answer choice. Each survey also comes with a printable that students can use to collect the data.

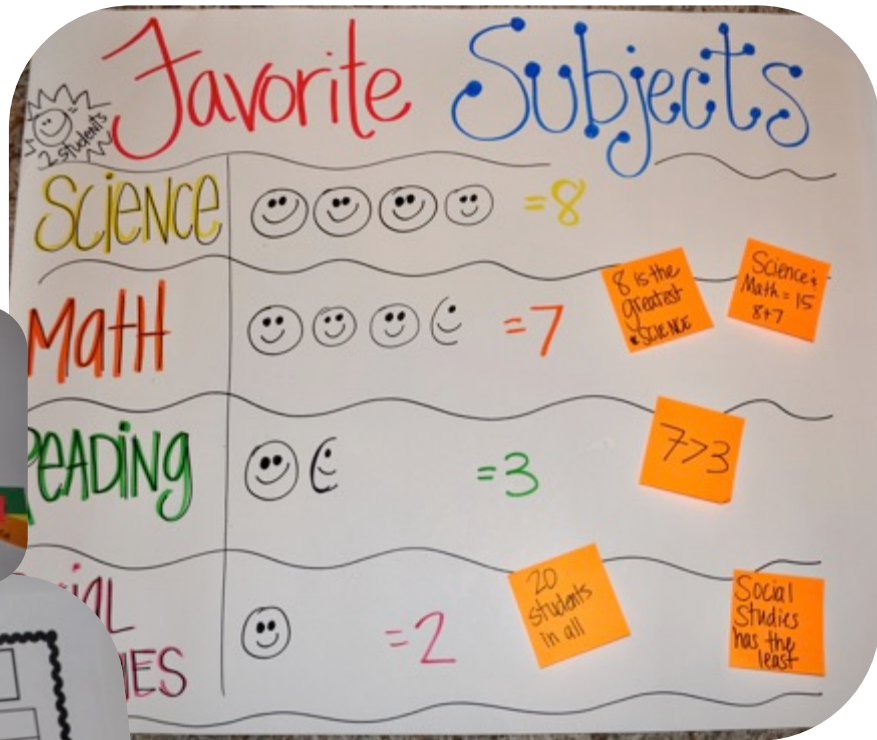


# 10 CLASS SURVEYS



# CREATE GRAPHS

With data collected, groups can create a bar graph, pictograph, or their own graph on large butcher/chart paper.



# GRAPH CRAFT

Use this topper to display with any of the graphs included in this unit. Students make themselves either by coloring the blackline example or by cutting and gluing the construction paper templates together. Glue the face to the top of the graph and mount on construction paper.

