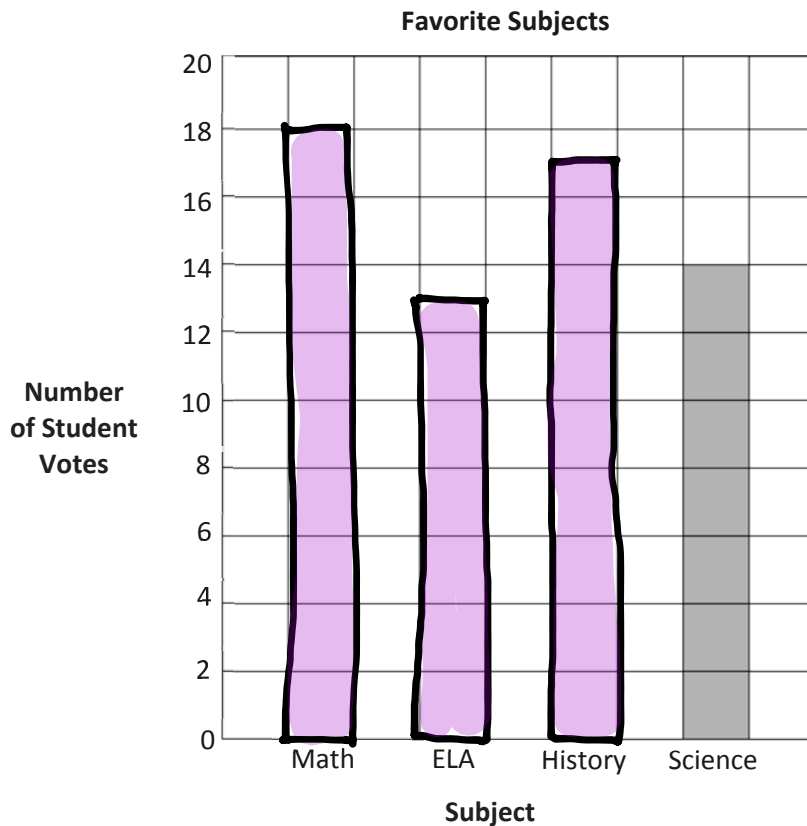Name _____   Date _____

1. This table shows the favorite subjects of third graders at Cayuga Elementary.

Favorite Subjects	
Subject	Number of Student Votes
Math	18
ELA	13
History	17
Science	?

Use the table to color the bar graph.

Favorite Subjects
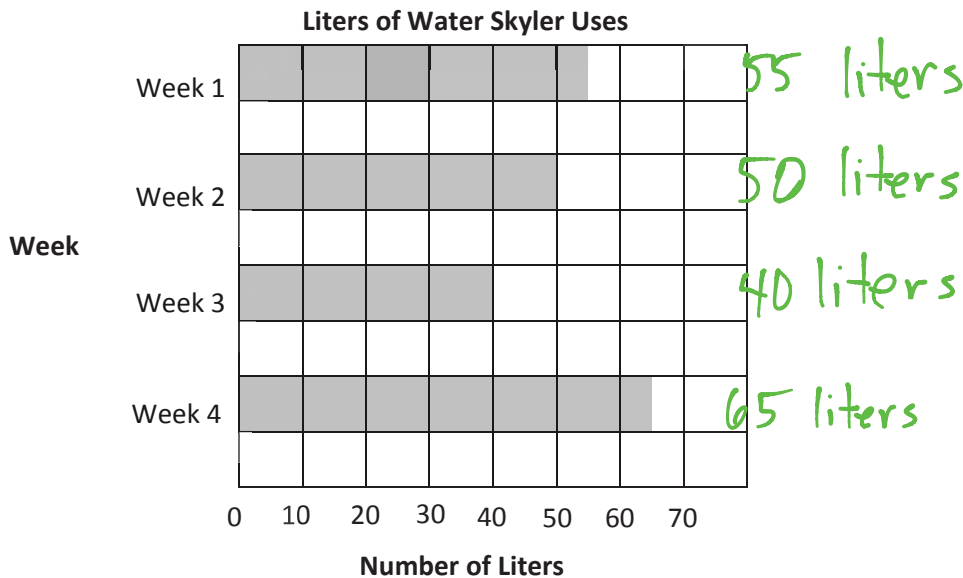

a. How many students voted for science? 14 voted for science.

b. How many more students voted for math than for science? Write a number sentence to show your thinking. 4 more students voted for math. 2 x 2 = 4

c. Which gets more votes, math and ELA together, or history and science together? Show your work.

M+E : 18+13 = 31   H+S: 17+14 = 31   They are equal.

Lesson 3:   Create scaled bar graphs.

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2. This bar graph shows the number of liters of water Skyler uses this month.

Liters of Water Skyler Uses

Week 1 — 55 liters

Week 2 — 50 liters

Week 3 — 40 liters

Week 4 — 65 liters

Number of Liters

a. During which week does Skyler use the most water? __Week 4__
   The least? __Week 3__

b. How many more liters does Skyler use in Week 4 than Week 2?

   15 more liters

c. Write a number sentence to show how many liters of water Skyler uses during Weeks 2 and 3 combined.

   $9 \times 10 = 90$ or $50 + 40 = 90$

d. How many liters does Skyler use in total?

   $55 + 50 + 40 + 65 =$ 210 liters total

e. If Skyler uses 60 liters in each of the 4 weeks next month, will she use more or less than she uses this month? Show your work.

   $4 \times 60 = 240$ liters   She will use more liters of water.

3. Complete the table below to show the data displayed in the bar graph in Problem 2.

Liters of Water Skyler Uses	
Week	Liters of Water
1	55
2	50
3	40
4	65