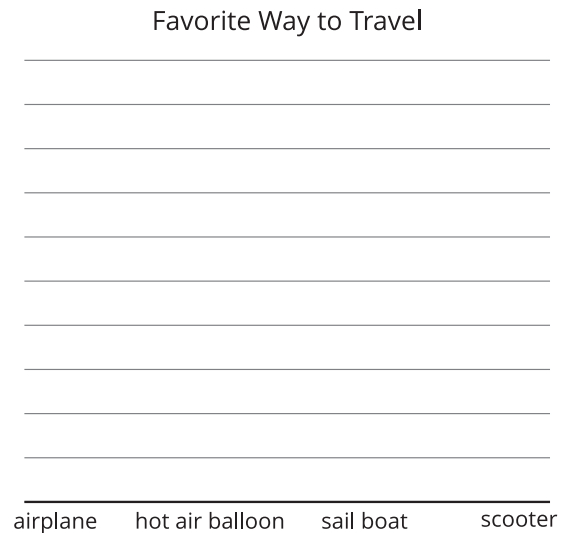


Section A: Practice Problems

1. Pre-unit

The table shows how a group of students most enjoy traveling. Use the table to complete the picture graph.

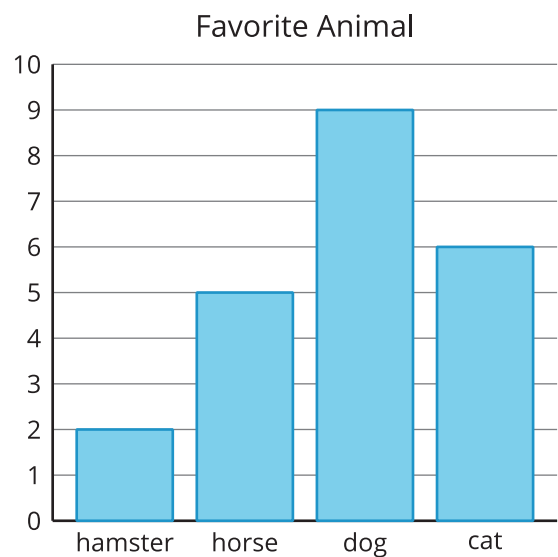
way to travel	number of students
airplane	4
hot air balloon	7
sail boat	6
scooter	3



2. Pre-unit

Use the bar graph to answer the questions.

- How many students recorded their favorite animal?
- How many fewer students chose hamsters than dogs?



3. Pre-unit

The table shows the favorite summer vacation activity for a group of students.

vacation activities	number of students
family time	6
playing sports	8
sleeping in	5
reading	3

Use the table to complete the bar graph.



4. Pre-unit

Find each sum or difference. Show your reasoning.

a. $25 + 62$

b. $37 - 9$

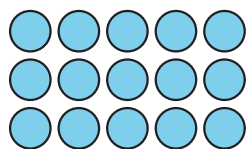
c. $24 + 47$

d. $84 - 59$

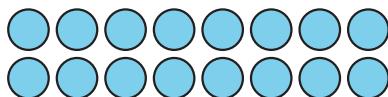
5. Pre-unit

How many objects are in each array? Explain or show your reasoning.

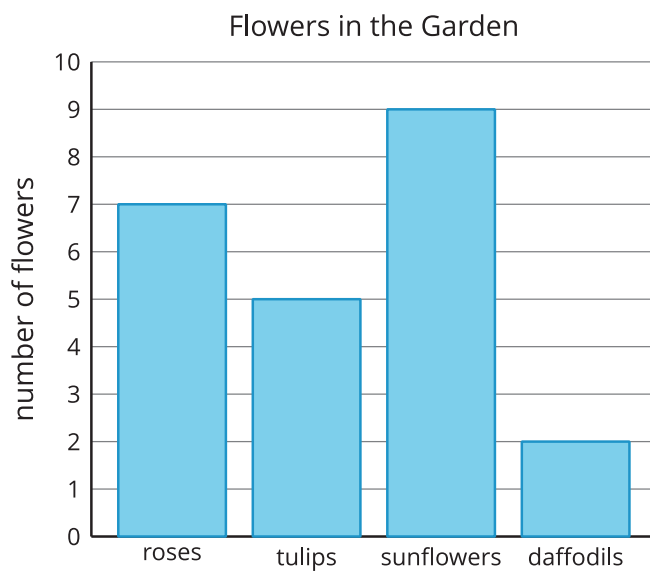
a.



b.



6. The graph shows some information about flowers in the garden.



a. Write one fact you know based on the data shown in the graph.

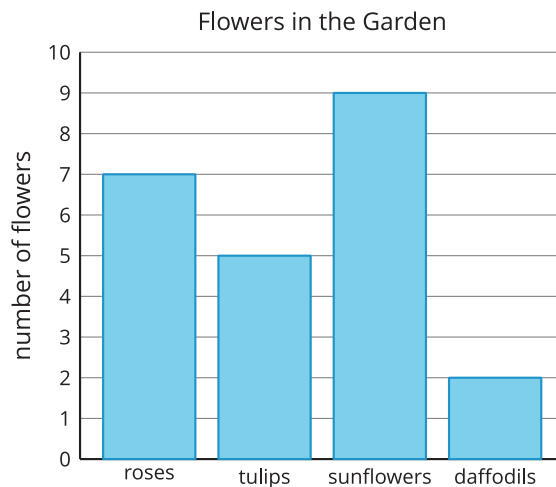
b. Write 2 questions you could answer about the data in the bar graph.

(From Unit 1, Lesson 1.)

7. The bar graph shows the numbers of different types of flowers in the garden. Use the graph to answer the questions.

a. How many flowers are represented on the graph?

b. How many tulips, sunflowers, and daffodils were there altogether?



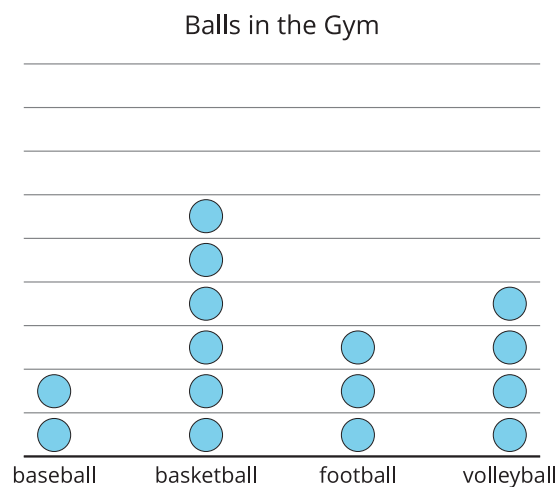
(From Unit 1, Lesson 2.)

8. This picture graph records types of balls in the gym. Use the graph to answer the questions.

a. How many basketballs are in the gym?

b. How many more basketballs are there than footballs?

c. Write one other question that you could answer about the balls in the gym using the graph.

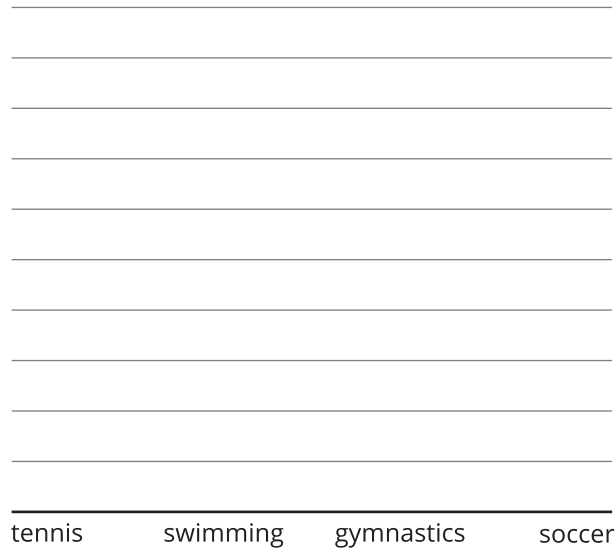


Each  represents 2 balls.

(From Unit 1, Lesson 3.)

9. The table shows the favorite sports of some students. Use it to complete the scaled picture graph.

sport	number
tennis	6
swimming	6
gymnastics	4
soccer	8

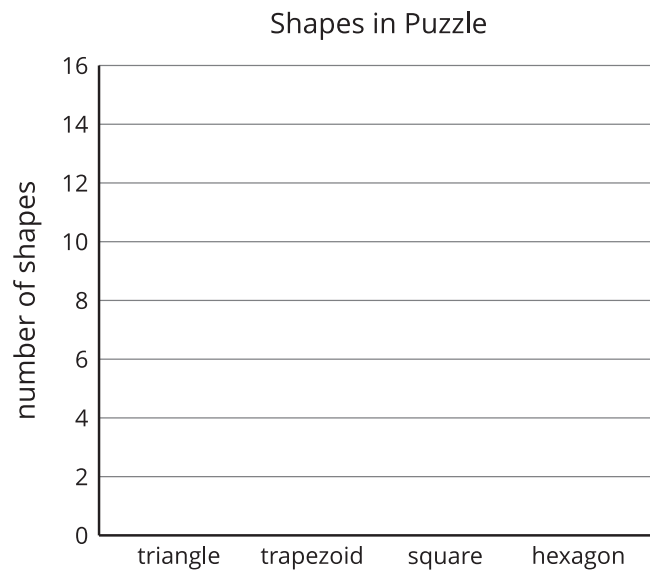


Each  represents 2 people.

(From Unit 1, Lesson 4.)

10. The table shows the number of different shapes in a pattern block puzzle. Use it to complete the scaled bar graph.

shape	number
triangle	13
trapezoid	10
square	9
hexagon	15



(From Unit 1, Lesson 5.)

11. The table shows the number of books some students have at home.

Use the information from the table to create a scaled bar graph.

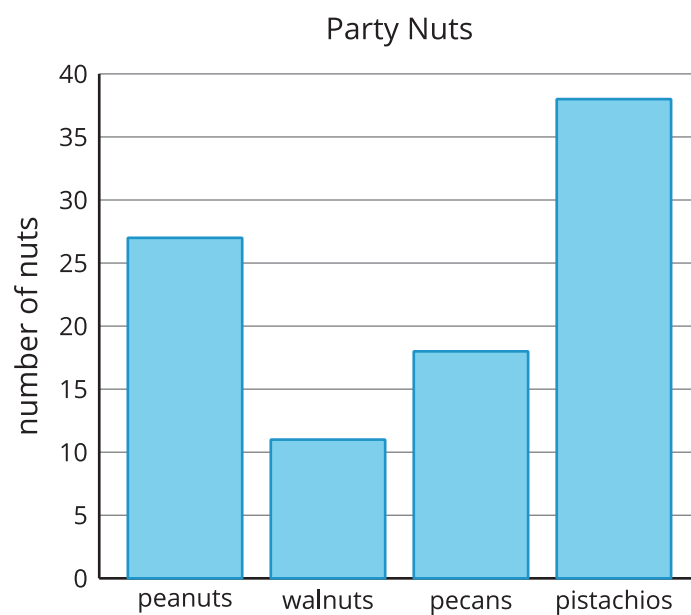
books	number
Elena	25
Andre	9
Tyler	16
Clare	21

Books at Home



(From Unit 1, Lesson 6.)

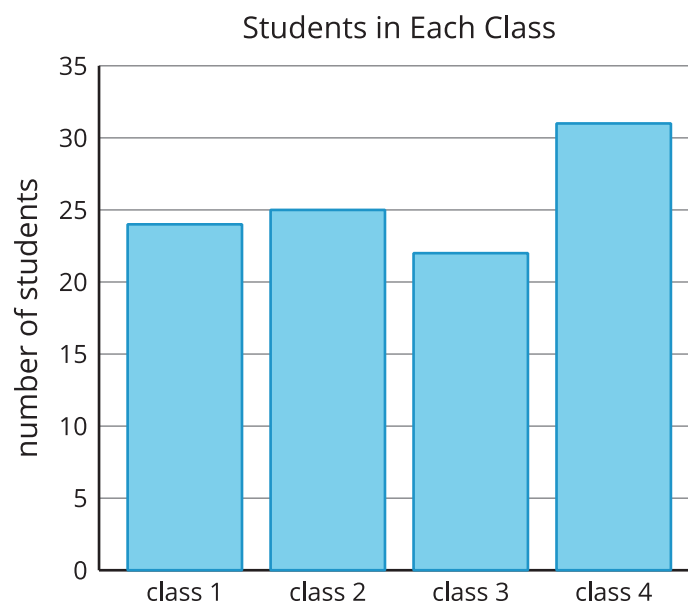
12. The graph shows the number of different kinds of nuts in a bowl.



- a. How many more pistachios are there than walnuts? Explain or show your reasoning.
- b. How many fewer pecans are there than peanuts? Explain or show your reasoning.

(From Unit 1, Lesson 7.)

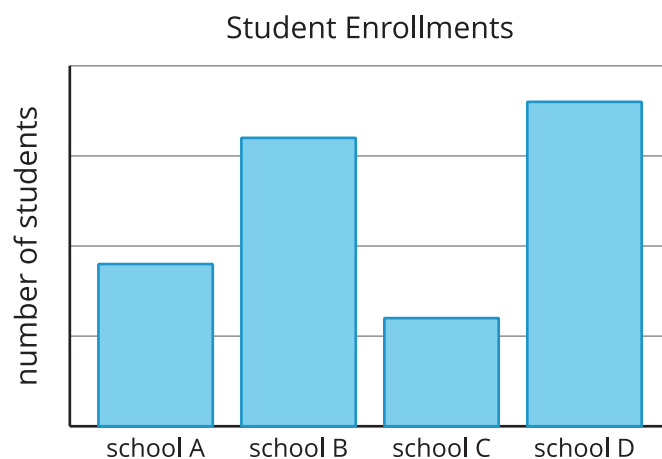
13. The scaled bar graph shows how many students are in each class.



a. How many students are in the 4 classes altogether? Explain or show your reasoning.

b. How many fewer students are in class 1 than in class 4? Explain or show your reasoning.

(From Unit 1, Lesson 8.)

14. Exploration

There are 1,000 students at the 4 schools. What is the approximate scale for the bar graph?

15. Exploration

Collect data of interest to you and make a bar graph. You may use the bar graph template if you wish.

