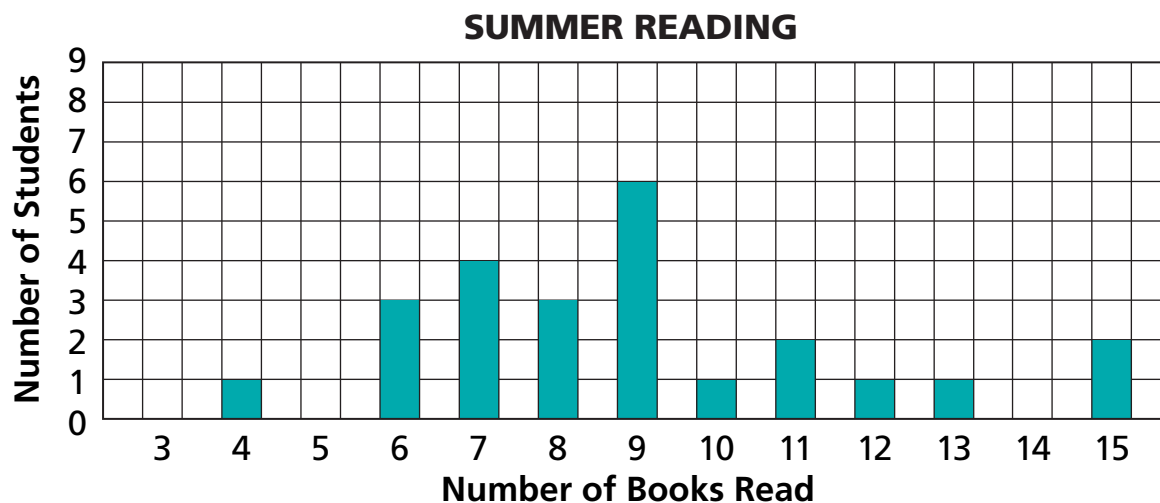


# Collecting and Analyzing Survey Data

NCTM Standards 1, 2, 6, 7, 8, 9, 10

Ms. Ramiro's class made a graph of the number of books each student read during summer vacation.



1 What was the most common number of books read? \_\_\_\_\_

2 What was the largest number of books read? \_\_\_\_\_

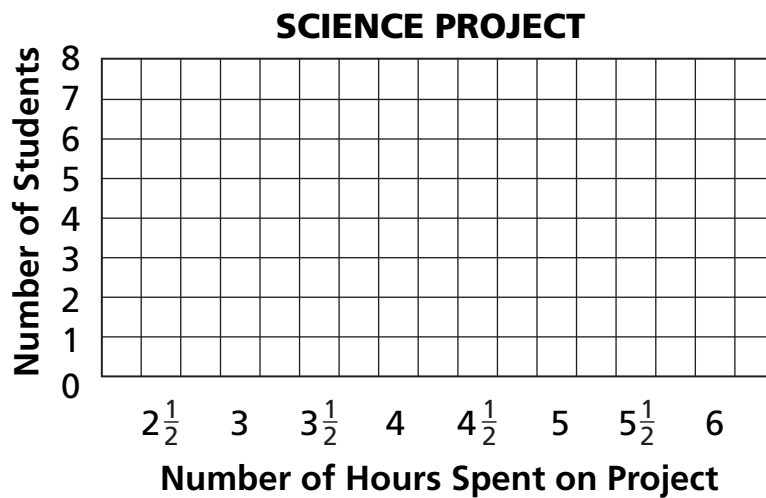
3 What portion of the students read at least 8 books? \_\_\_\_\_ out of \_\_\_\_\_

4 What portion of the students read 6, 7, 8, or 9 books? \_\_\_\_\_ out of \_\_\_\_\_

Mr. Tan surveyed his students to find out how long it took them to finish a science project. Here is the data:

3 hours	5 hours	$5\frac{1}{2}$ hours	4 hours	3 hours
5 hours	$4\frac{1}{2}$ hours	4 hours	$4\frac{1}{2}$ hours	$3\frac{1}{2}$ hours
$3\frac{1}{2}$ hours	4 hours	3 hours	$3\frac{1}{2}$ hours	3 hours
4 hours	$3\frac{1}{2}$ hours	6 hours	3 hours	5 hours

5 Graph the data.



6 About half the class spent at least \_\_\_\_\_ hours on the project.

7 The amount of time the most students spent was \_\_\_\_\_ hours.



**8 Challenge** The students who took at least 5 hours to finish their project included graphs. Mr. Tan now wants all of his students to include graphs in their next project. Predict how much extra time it will take the students to include graphs in their next project. Explain how you found your answer.

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