

SKILL
83 **Skills Readiness**
Tables and Charts

A table can be used to organize data into categories.

To determine what percentage any one category represents, divide the number of items in that category by the total number of items.

Example: The table shows the distribution of colors of cars sold by a certain car dealership in Florida. Find the percentage of cars that are white.

Color	Number of Cars
White	336
Silver	192
Red	176
Black	96

$$\frac{\text{number of white cars}}{\text{total number of cars}} = \frac{336}{336 + 192 + 176 + 96} = \frac{336}{800} = 0.42 = 42\%$$

Find the percentage of cars that are red or silver.

$$\frac{\text{number of red cars or silver cars}}{\text{total number of cars}} = \frac{176 + 192}{336 + 192 + 176 + 96} = \frac{368}{800} = 0.46 = 46\%$$

Practice on Your Own

The table shows the number of students at a local high school who prefer certain types of sports activities. Find each of the following:

Sports Activity	Number of Students
Hiking	90
In-line skating	114
Bicycling	168
Canoeing	180
Weight-lifting	48

- the percentage of students who prefer bicycling _____
- the percentage of students who prefer canoeing _____
- the percentage of students who prefer hiking or weight-lifting _____

The table shows the number of baseball players in the Major League, including pitchers, who have achieved certain batting averages throughout the regular season. Find each of the following:

- the percentage of players whose batting average is under 100 _____
- the percentage of players whose average is between 200 and 299 _____
- the percentage of players whose average is between 100 and 399 _____

Batting Average	Number of Players
0 to 99	209
100 to 199	165
200 to 299	638
300 to 399	88

Check

The table shows the number of people in each age group who attended a middle school concert. Find each of the following:

- the percentage of people whose age is between 20 and 29 _____
- the percentage of people whose age is 50 or older _____
- the percentage of people whose age is under 30 _____

Age Group	Number of People
Under 20	96
20 – 29	30
30 – 39	123
40 – 49	36
50 and over	15