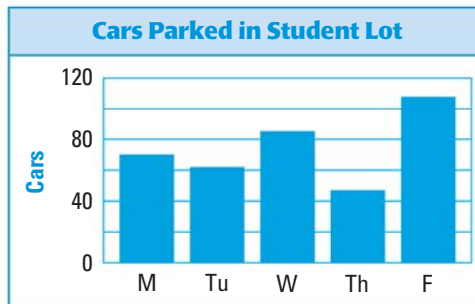# Graphing Statistical Data TEKS 8.12.C

There are many ways to display data. An appropriate graph can help you analyze data. The table at the right summarizes how data are shown in some statistical graphs.

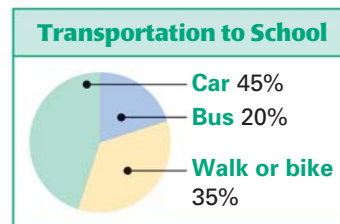| Bar Graph	Compares data in categories.
Circle Graph	Compares data as parts of a whole.
Line Graph	Shows data change over time.

EXAMPLE **Use the bar graph to answer the questions.**

a. On which day of the week were the greatest number of cars parked in the student lot?

▶ The tallest bar on the graph is for Friday. So, the answer is Friday.

b. How many cars were parked in the student lot on Monday?

▶ The bar for Monday shows that about 70 cars were parked in the student lot.

Cars Parked in Student Lot

EXAMPLE **Use the circle graph to answer the questions.**

a. Which type of transportation is used almost half the time?

▶ Almost half of the total area of the circle is labeled "Car 45%." So, a car is used almost half the time.

b. Which type of transportation is used the least often?

▶ The smallest part of the circle is labeled "Bus 20%." So, a bus is used the least often.

Transportation to School

Car 45%
Bus 20%
Walk or bike 35%

EXAMPLE **Use the line graph to answer the questions.**

a. In which month(s) was Jamie's balance $250?

▶ The points on the graph to the right of $250 show that Jamie's balance was $250 in May and December.

b. Between which two consecutive months did Jamie's balance increase the most?

▶ Of the graph's line segments that have positive slope, the graph is steepest from June to July. So, Jamie's balance increased the most between June and July.

Jamie's Savings Account Balance