

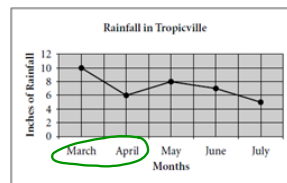
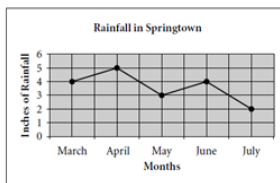


# 4.5 NOTES

## “GRAPHING DATA”

### Interpreting Line Graphs

The line graphs below show the monthly rainfall for the cities of Springtown and Tropicville.



1. What was Springtown's rainfall in May? 3 inches
2. Which city had the highest rainfall? Tropicville In what month? March
3. Which city had the lowest rainfall? Springtown In what month? July
4. Which city has the greatest decrease in rainfall between 2 months?

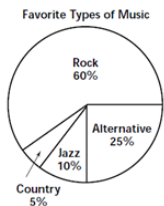
Tropicville - between March + April

### Interpreting Circle Graphs

Use the circle graph shown to answer the following questions.

5. If 300 people were interviewed, how many people said that rock music was their favorite?  $300(.6) = 180$
6. If 600 people were interviewed, how many chose alternative music as their favorite?  $600(.25) = 150$
7. If 260 people were interviewed, how many chose country as their favorite type of music?  $260(.05) = 13$
8. According to this graph, what is the most popular type of

Rock



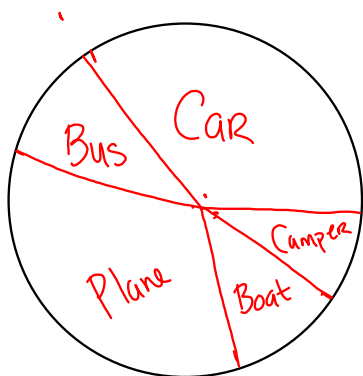
### Constructing Circle Graphs

9. A survey was conducted to determine how people planned to go on vacation. Make a circle graph that shows the percent of people in each category.

Type of travel	Car	Bus	Plane	Boat	Camper
Number	140	55	135	75	45

$300 = 450$

Category	① Percent	② Degrees	③ <u>protractor</u>
Car	<u><math>140/450 = 31\%</math></u>	<u><math>360(.31) = 112^\circ</math></u>	
Bus	<u><math>55/450 = 12\%</math></u>	<u><math>360(.12) = 43^\circ</math></u>	
Plane	<u><math>135/450 = 30\%</math></u>	<u><math>360(.3) = 108^\circ</math></u>	
Boat	<u><math>75/450 = 16.7\%</math></u>	<u><math>360(.16) = 58^\circ</math></u>	
Camper	<u><math>45/450 = 10\%</math></u>	<u><math>360(.1) = 36^\circ</math></u>	



### Interpreting Bar Graphs

The bar graph shows the number of hours per week that different age groups watched TV in 1990 and 2000.

10. How many hours per week did the 5-10 age group watch TV in 1990? 6 hrs
11. What information about TV viewing habits can be learned from this graph? Answers may vary...

