

# What Is the Store Policy at Plastic Mart?

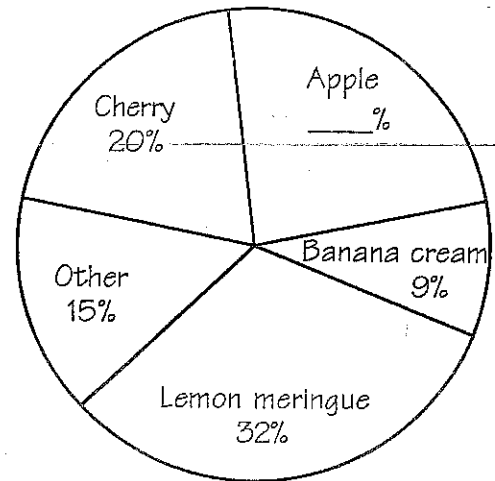


Write the letter of each exercise in the box for that answer.



**Survey Results: What is your favorite kind of pie?** The "pie chart" shows how 175 people responded to this question.

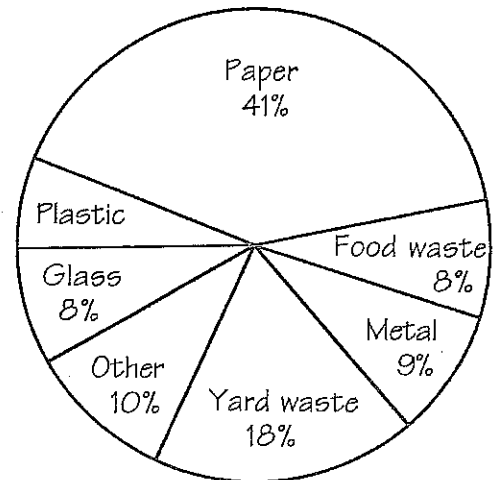
**Favorite Kind of Pie**



- E. What percent of those surveyed chose apple?
- A. How many people chose apple?
- L. How many people chose cherry?
- S. What is the measure of the central angle for the "Lemon meringue" sector?
- I. What is the measure of the central angle for the "Banana cream" sector?
- A. What is the sum of the central angle measures in any circle graph?

**What's in the average American's trash can?** The average American throws away about 1800 lb of trash per year. The graph shows the makeup of that trash.

**Trash in America**

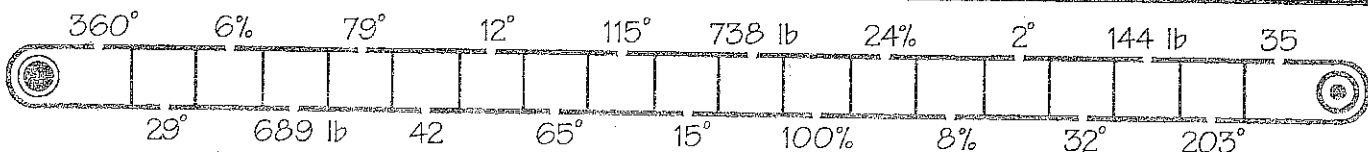


- L. What percent of the trash is plastic?
- N. How many pounds of glass are thrown away by the average American each year?
- A. How many pounds of paper are thrown away by the average American each year?
- E. What is the measure of the central angle for the "Yard waste" sector?
- L. What is the measure of the central angle for the "Glass" sector?
- R. What is the sum of the percents in any circle graph?

**What is the source of our power?** The chart shows the sources of U.S. electricity in a recent year. In a circle graph of this data, what is the central angle measure for each of the following:

Source	Percent
Nuclear power	21.9
Coal	56.3
Oil	3.3
Hydroelectric power	8.5
Natural gas	9.4
Other	0.6

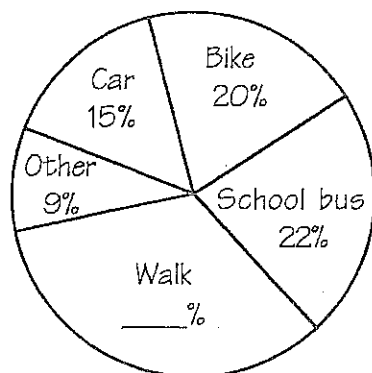
- S. The "Nuclear power" sector?
- Y. The "Coal" sector?
- L. The "Oil" sector?
- V. The "Other" sector?



# What Did the Doctor Say to the Guy Who Walked In With a Carrot in His Left Ear, a Banana in His Right Ear, and a Cucumber Up His Nose?



Write each circled letter in the box containing that answer. Construct circle graphs for #2 and #3 (round percents to the nearest tenth to compute central angles).

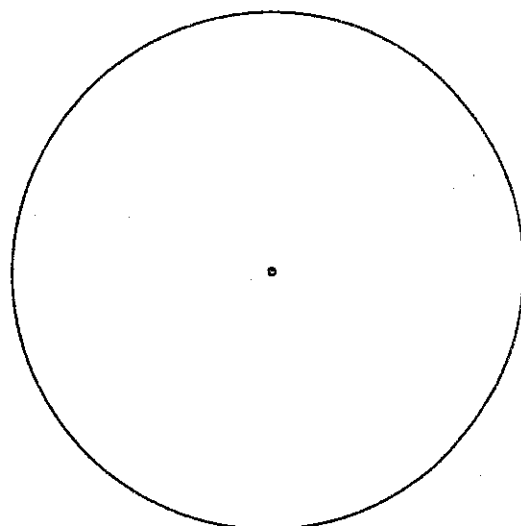


1. In a survey, 250 students were asked how they get to school. The results are displayed in the circle graph. Find the following:

- T** What percent of the students walk to school?
- I** How many students walk to school?
- E** How many students ride a bike?
- N** What is the central angle for the "Car" sector?
- O** What is the central angle for the "Other" sector?

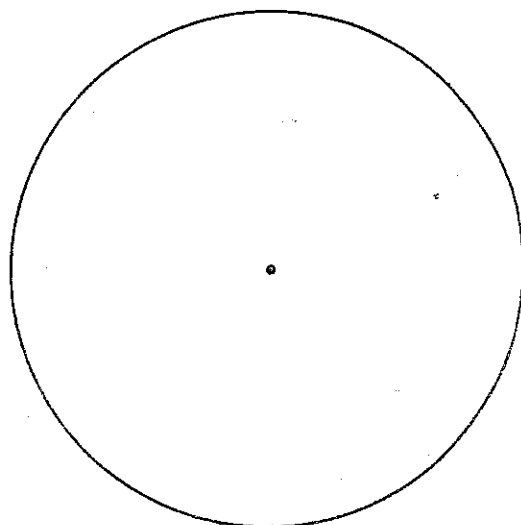
## 2. Rentals at Cubebuster Video for One Week

Type	Number of Rentals	Percent of Total	Central Angle	
Comedy	195			<b>A</b>
Drama	102			<b>G</b>
Action/Adventure	135			<b>R</b>
Science fiction	43			<b>I</b>
Other	65			<b>T</b>
<b>TOTAL</b>	<b>540</b>	<b>100</b>	<b>360°</b>	



## 3. Kevin Klog's Diet for One Week

Food Group	No. of Servings	Percent of Total	Central Angle	
Bread, cereal, pasta, rice	63			<b>G</b>
Milk, yogurt, cheese	20			<b>Y</b>
Vegetables	34			<b>E</b>
Meat, eggs, beans, nuts	26			<b>U</b>
Fruits	31			<b>R</b>
Fats, oils, sweets	11			<b>T</b>
<b>TOTAL</b>				<b>O</b> <b>H</b> <b>N</b>



39°	32°	51°	90°	50	174	360°	185	34%	57°	66°	130°	21°	29°	54°	123°	24°	60°	85	68°	100%	43°
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