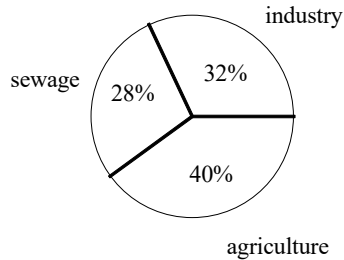


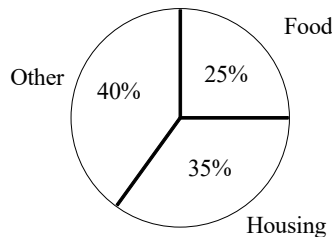
NAME: _____

1. Which is the main source of water pollution? If that source produced 100,000 tons of pollutants, what was the total amount of pollutants from the three sources shown?



[1] _____

2. The circle graph below represents a family's monthly budget. If the total monthly income is \$1800, how much is spent on housing?



[2] _____

3. The table below represents a family's monthly budget of \$2300.

Food	\$350.00
Housing	\$750.00
Other	\$1200.00

If you are making a circle graph to display this information, what would be the angle measure (to the nearest degree) for the selection representing food?

- [A] 117° [B] 188° [C] 31° [D] 55°

[3] _____

NAME: _____

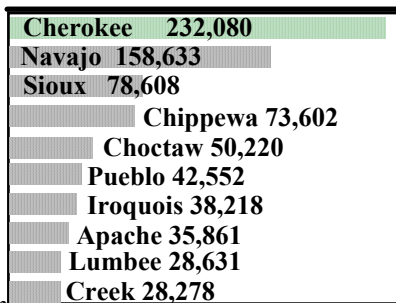
4. Suppose a garden plot contains 2 zinnias, 8 gladioluses, 11 marigolds, 18 hollyhocks, and 22 lilies. If you were to make a circle graph of the flowers in the plot, what angles (to the nearest degree) should be assigned to each flower?

[4] _____

5. Construct a table from the information in the figure indicating tribe, population, and percent of total (rounded to the nearest whole percent). List the four largest tribes individually and group the remaining six tribes together in a category labelled "other". From this table, construct a circle graph.

The 10 Largest American Indian Tribes

Many of the nation's American Indians live on one of the 243 reservations in the contiguous 48 states. The Cherokee, based mainly on reservation lands in Oklahoma and North Carolina, are the nation's largest tribe. The Navajo, the second largest tribe, are based mainly in New Mexico, Arizona, and Utah.



(Source: The CQ Researcher)

[5] _____

6. Jared and Kia wrote articles for the school newspaper. They surveyed students about different issues. Twenty percent of the students said that grades were their biggest worry. Thirty-five percent of the students said that homework was their biggest concern. Forty percent said that they were concerned with the environment. Seventy-five percent said they were optimistic about the future of the country. Jared wanted to make a circle graph to display the results. What was wrong with his idea? How would you display the data?

[6] _____

7. Make a circle graph showing your classmates' favorite movies among five movies that have been shown recently in local theaters.

[7] _____

[1] agriculture; 250,000 tons

[2] \$630

[3] D

[4] 12° zinnias, 47° gladioluses, 65° marigolds,
106° hollyhocks, 130° lilies

The circle should have 5 sections: 108° (30%), 75.6° (21%), 36° (10%), 104.4° (29%).

Tribe	Population	Percent of Total
Cherokee	232,080	30%
Navajo	158,633	21%
Sioux	78,608	10%
Chippewa	73,602	10%
[5] Other	223,760	29%

Answers may vary. A circle graph cannot be used because the total of the percents is not 100. The students were asked questions on more than one topic. The data could be displayed in a bar graph.

[7] Answers may vary. Check students' work.