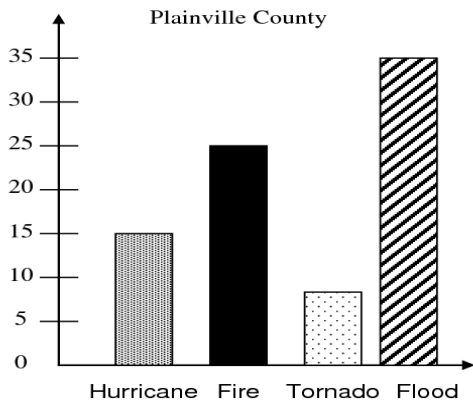


Name: \_\_\_\_\_

Date: \_\_\_\_\_

### STEP: Student Tools for Emergency Planning Math Worksheet



The bar graph to the left shows the number of natural disasters that affected Plainville County over the last 20 years. Use this chart to answer the questions below.

1. What is the most common disaster for Plainville County?  
flood
2. How many hurricanes hit Plainville County? 15
3. How many tornados? 8
4. How many more fires than hurricanes hit Plainville County?  
10

5. If you lived in Plainville County, what are some things you would want to do to prepare you and your family? Make sure you have an emergency kit with up to date food and water. Find out your town's evacuation routes. Move valuables and electronics away from the ground or basement level of your home.
- Establish a meeting place outside of the neighborhood in the case that your street is flooded.

#### Word Problems

1. The superintendent of the school district decided that it was important to order an emergency planning booklet for all of her students. She found out that the elementary school had 1,356 students. The middle school had 2,543 students and the high school had 4,320 students. How many emergency planning booklets should the superintendent order?

8219 students

2. The chief of police met with the town officials to determine if the river would flood the town when the snow melted this spring.  
"The river is currently in normal range, measuring 32 inches," said the director of public works. "For the river to flood, it will have to measure 38 inches or more"  
"By my estimation, we have about 25.4 centimeters of snow that will melt directly into the river," said the meteorologist.

If 1 inch = 2.54 centimeters, will the river overflow? If yes, how many inches will flood into the town?

Yes, the river will overflow by 4 inches.