Here are several sample tasks related to your teacher-like knowledge of statistical graphs.

1. Consider this stem-and-leaf plot:

<u>Heights of Saplings</u>

```
5 | 4 2

4 | 3 3 2 9 6

3 | 3 0 2 9 1

2 | 7

1 | 9            1 | 9  =  1.9 meters
```

Saplings are considered "tall" if they are over 4.5 meters tall, "medium" if they are from 3.0 to 4.4 meters tall, and "short" if they are under 3.0 meters tall. Draw and appropriately label a bar graph for this categorical data.

2. Circle the type of statistical graph that would be best for displaying the given type of data.

    (a) Temperature in Slippery Rock at noon each day over the past month:

                  bar graph   circle graph   line graph

    (b) Separate number of cats, dogs, and rabbits at the animal shelter:

                  circle graph   pictograph   histogram

    (c) Frequency of different ethnic groups listed on people's employment applications:

                  bar graph   line graph   stem-and-leaf plot

    (d) Dollar amounts of Amazon sales in several different countries:

                  line graph   bar graph   dot plot

3. A survey at United Local School District determined the following: 250 students lived more than 5 miles from school, 100 students lived between 2 and 5 miles from school, and 50 students lived within 2 miles of school. Draw and label an appropriate circle graph for this data.