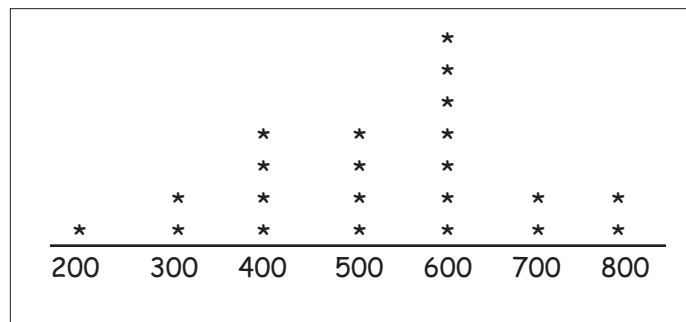## Problems for a Line Plot Graph

Work on the following problems in groups. Be prepared to present your results.

The graph below is called a **line plot**. Each star represents the number of times that a particular value occurs. For example, the two stars above the number 800 means that the value 800 occurs two times in this set of data.

      a) Find the mode of the data. Explain how you found it.

      b) Find the median of the data. Explain how you found it.

      c) What might these data represent?

```
                                        *
                                        *
                                        *
                        *       *       *
                        *       *       *
                *       *       *       *       *       *
        *       *       *       *       *       *       *
      ─────────────────────────────────────────────────────
       200     300     400     500     600     700     800
```

      d) Do all sets of data have a mode? Explain.

      e) Do all sets of data have a median? Explain.