1. Here are percentages of favorite pizza places of high school seniors at different schools:

Pizza Hut 70%

Dominos 50%

Papa John’s 20%

Marco’s 5%

Mellow Mushroom 20%

Jet’s 45%.

* 1. Make a bar graph of the data.
  2. Would it be appropriate to use a pie chart to display these data? Justify your answer.

1. Here are the grades of the Statistical Reasoning students on the first test:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 75 | 68 | 19 | 48 | 51 | 79 | 6 | 68 | 22 |
| 90 | 37 | 70 | 49 | 51 | 35 | 12 | 81 | 90 |
| 100 | 52 | 93 | 13 | 37 | 26 | 98 | 71 |  |

1. Construct a stem plot of these data.
2. Construct a dot plot of this data.
3. Now construct a histogram for these data. **Make the width of each interval 10 units starting at 0.**

d. Based on this graph, briefly describe the **shape** of the distribution of test scores.

|  |  |
| --- | --- |
| **Favorite Shoe Brand** | **# of People** |
| Nike | 9 |
| Jordan’s | 10 |
| Adidas | 6 |
| Puma | 13 |
| Vans | 7 |
| **Total** | **45** |

3) Create a pie chart with the following data. Use a protractor to measure the degrees of each sector. **Included all percentages, degrees, and a key.**

