Name: _____   Date: _____

Learning Goal 9.2	I can demonstrate an understanding of data analysis.

1. Calculate the mean, median, mode and range of the following data sets.
    a. $\{1, 10, 6, 4, 2, 5, 3, 6, 5, 4\}$

    b. $\{5, 10, 10, 6, 8, 6, 3, 7, 5, 3\}$

    c. $\{3, 4, 7, 8, 3, 4, 8, 8, 5, 7\}$

    d. {83, 73, 83, 59, 24}

    e. {41, 10, 41, 41, 29}

    f. {41, 29, 54, 33, 86}

    g. {593, 287, 730, 450, 279, 692, 791, 820, 109, 450, 368, 429, 975, 479, 730}

    h. {74, 20, 70, 30, 30, 70, 37, 70, 98, 61, 54, 57, 45, 54, 12, 70, 70, 83, 70, 97}

2. The bar chart represents the outcome of a penalty shoot-out competition. Each person in the competition was allowed six shots at the goal. The graph shows the frequency with which each score was achieved.
    a. How many people were involved in the shoot out?
    b. Find the mean, median, mode and range of the scores.