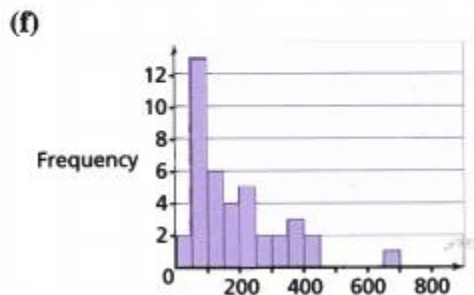
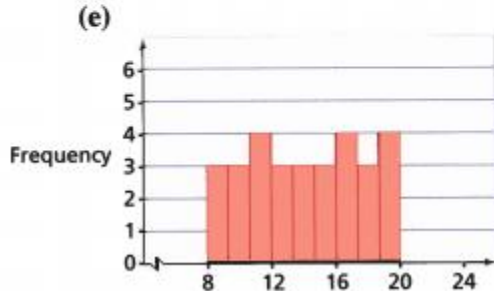
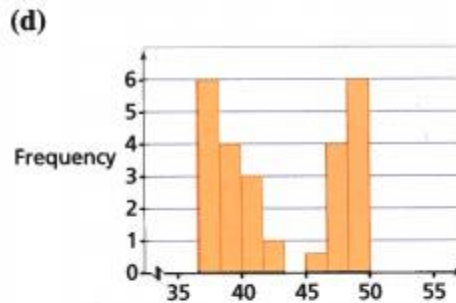
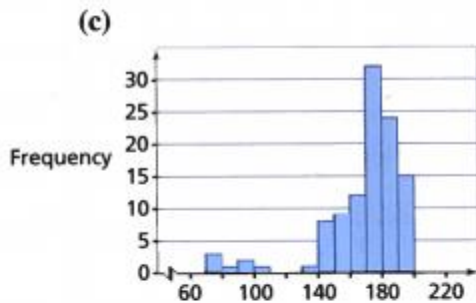
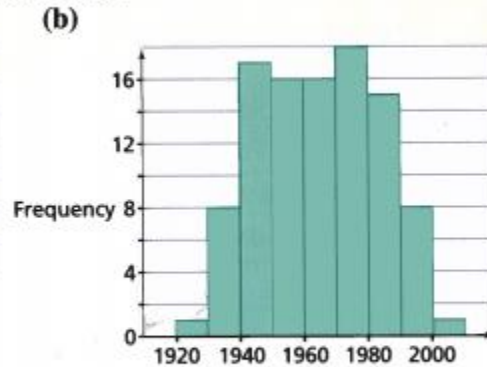
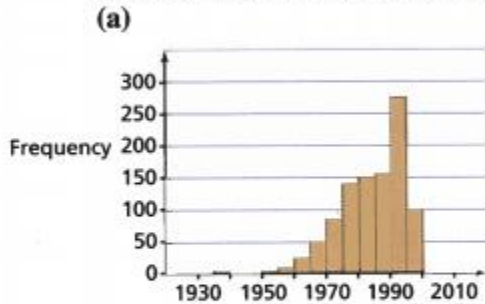


Distributions & Mean, Median and Modes

1. **Knowledge and Understanding** Describe each of the distributions that follows using the vocabulary of this section.



2. Match each of the preceding distributions with one of the scenarios described below.

- (a) cost of the "cheap seats" at 30 baseball stadiums
- (b) bowling scores
- (c) the gestation period in days of various animals
- (d) the year shown on a penny
- (e) the production year of the American Film Institute's top 100 films
- (f) amounts shown on an electric bill

4. Hakim's Shoes reported the following sales results:

Size	4	5	6	7	8	9	10
Frequency	5	11	15	18	19	13	7

- (a) Calculate the mean, median, and mode shoe size.
 (b) Which measure of central tendency is most appropriate? Why?

5. Match each distribution with its mean, median, and mode.

- (a) mean: 6.2 median: 6 mode: 3.8
 (b) mean: 6 median: 6 mode: 10, 2
 (c) mean: 6 median: 6 mode: 6
 (d) mean: 8.1 median: 8.5 mode: 10

