

# Practice 3

For use with Section 1-3

**For each set of data, find the lower extreme, lower quartile, median, upper quartile, and upper extreme.**

- points scored in games by a high school football team:  
14, 21, 15, 7, 24, 28, 6, 10, 21, 20, 35, 14, 10
- price of a share of stock of Digistar Systems, Inc. in successive months:  
40.25, 35, 33.5, 38, 41.75, 40, 46.25, 44, 43.5, 39, 38.75
- number of seeds germinating out of laboratory samples of 50 seeds:  
42, 35, 32, 38, 30, 41, 46, 42, 42, 36, 44, 28, 46
- ages of the last 11 Presidents at first inauguration:  
51, 60, 62, 43, 55, 56, 61, 52, 69, 64, 46

**For Exercises 5–7, use the table below, which gives the monthly total precipitation (in inches) for two U.S. cities.**

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
<b>Savannah, GA</b>	3.1	3.2	3.8	3.2	4.6	5.7	7.4	6.7	5.2	2.3	1.9	2.8
<b>Seattle, WA</b>	6.0	4.2	3.6	2.4	1.6	1.4	0.7	1.3	2.0	3.4	5.6	6.3

- Make a box-and-whisker plot for each city using the same number line.
- Which city has the higher overall precipitation?
- Which city has a more changeable amount of precipitation?

**For Exercises 8 and 9, use the table below.**

	Beaver	Cat	Deer	Elk	Goat	Gorilla	Hippo	Pig	Wolf
<b>Gestation (days)</b>	122	63	201	250	151	257	238	112	63
<b>Life Span (years)</b>	5	12	8	15	8	20	25	10	5

- Make a scatter plot of the data.
- Based on the data, what might be the approximate life span of an animal with a gestation period of 225 days?
- Writing** Describe any trend(s) suggested by the scatter plot you made in Exercise 8.