

Box Plots and Five Number Summaries

Date _____ Period _____

Find the Five Number Summary and draw a box-and-whisker plot for each data set.

1) Goals in a Hockey Game

7 4 3 5 5 3 5 7
 9 3 4 3 9 4 5 1
 7

2) Car Weights (kg)

1,505 1,215 1,030 1,510 1,760
 1,640 1,560 1,515 1,080 1,750
 1,535 1,230 1,165 1,795 1,405
 1,460 1,395

3) Annual Precipitation (Inches)

7 34.8 51.6 45.4 56.4
 35.6 11.4 9.2 67.6 39.4
 26 67.8 69.6 64 63.4
 64

4) Mens Heights (Inches)

72 66 80 68 68 70 66
 70 67 72 70 69 69 66
 67 74 75

5) Boiling Point

Substance	°C	Substance	°C
Nickel	2,913	Iron	2,862
Zinc	907	Carbon	4,827
Glycerol	290	Cobalt	2,870
Silicon	2,357	Magnesium	1,091
Chloroform	61.2	Nitric Acid	83
Mercury	356.7	Sulphuric Acid	337
Platinum	3,825	Plutonium	3,232
Iodine	184.3	Phosphorus	280.5
Silver	2,162		

6) Land Area of US States/Territories

Place	Area (km²)	Place	Area (km²)	Place	Area (km²)	Place	Area (km²)
Utah	212,818	Iowa	144,669	Pennsylvania	115,883	Hawaii	16,635
Delaware	5,047	Washington	172,119	Virginia	102,279	North Dakota	178,711
Idaho	214,045	Missouri	178,040	Louisiana	111,898	Illinois	143,793
Rhode Island	2,678	American Samoa	198	Alabama	131,171	West Virginia	62,259
Arkansas	134,771						

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Educational Attainment by US State

State	% Bachelor's Degree
Alabama	22
California	29.9
Maine	26.9
Tennessee	23
Connecticut	35.6
Colorado	35.9

State	% Bachelor's Degree
South Carolina	24.3
Virginia	34
Delaware	28.7
Pennsylvania	26.4
Illinois	30.6
Vermont	33.1

State	% Bachelor's Degree
New Jersey	34.5
New York	32.4
Minnesota	31.5
Idaho	23.9
Florida	25.3

8)

2012 Summer Olympics

Country	Medals	Country	Medals
Sweden	8	Colombia	8
Canada	18	North Korea	6
Tunisia	3	Brazil	17
Russia	81	Romania	9
Iran	12	Australia	35
Belarus	12	Hungary	18
Switzerland	4	Netherlands	20
Azerbaijan	10	Serbia	4
South Africa	6		