

## Unit 5.3 Mode, Median, Mean, IQR, range, and SD Practice

Period \_\_\_\_\_

**Find the median, mean, interquartile range, sample standard deviation, and population standard deviation for each data set.**

## 1) Life Expectancy

State	Years	State	Years
Indiana	81.3	Kentucky	74.7
Georgia	80.1	North Dakota	80.2
New Jersey	82.4	New Mexico	77.7
Arizona	79.3	Vermont	80.4
Ohio	81	Tennessee	77.9

## 2) Hits in a Round of Hacky Sack

4	2	7	6	19	6	15	6
4	24						

## 3) Boiling Point

Substance	°C	Substance	°C
Methanol	64.7	Sea Water	100.7
Titanium	3,287	Nitric Acid	83
Lead	1,750	Sulphur	444.7
Copper	2,562	Aluminum	2,519
Calcium	1,484	Magnesium	1,091

## 4) Monthly Revenue

40,410	33,240	60,270	43,550
45,120	42,710	47,470	45,820
39,940	67,390	36,440	

## 5) Large Cities

City	Population	City	Population	City	Population	City	Population
Moscow	12,111,194	Madrid	3,207,247	Busan	3,590,101	Kinshasa	9,735,000
Karachi	23,500,000	Ho Chi Minh City	7,681,700	Dongguan	8,220,207	Hanoi	6,844,100
Addis Ababa	3,103,673	Lagos	17,060,307				

## 6) Basketball Tournament

School	Appearances
Portland	2
Arkansas State	1
Georgia Southern	3
Marshall	4
Washington State	6
Georgia Tech	16
South Alabama	8
Long Beach State	6
Miami (OH)	17

## 7) Mens Heights (Centimeters)

184	170	178	170	178	172
174	181	174	173	176	179
173	167	181	176	179	

8) Age at First Job

17	19	17	16	16	18	22
18	16	17	18	16	13	17
13	13	14				

9) Annual Household Income

18,600	29,050	32,400	10,450
17,750	26,200	20,650	18,200
9,700	10,100	22,150	39,750
18,950	12,750	19,300	37,450

10) 2012 Summer Olympics

Country	Medals	Country	Medals	Country	Medals	Country	Medals	Country	Medals
Poland	10	United States	104	Cuba	15	South Korea	28	Sweden	8
Azerbaijan	10	Netherlands	20	Jamaica	12	Colombia	8	Mexico	7
Georgia	7	Australia	35	Brazil	17	Canada	18	Russia	81
Czech Republic	10	Kenya	11						

11) Goals in a Hockey Game

7	4	1	7	7	7	5	3
9	5	5	9	5	2	5	5
7	5	6	9	7	4		

12) Life Expectancy

Country	Years	Country	Years	Country	Years	Country	Years	Country	Years
Montenegro	74.5	Japan	83.65	Sweden	83	Russia	70.5	Albania	74
United Kingdom	81	Spain	82.5	Eritrea	61.5	Mexico	77.2	Uganda	56
Honduras	74	China	76	Malta	81	Nigeria	53	Mauritania	59.5
Maldives	77.2	Tajikistan	68	Djibouti	61	Barbados	78.5	Iceland	83.3
Ireland	81.4	Paraguay	74.7						