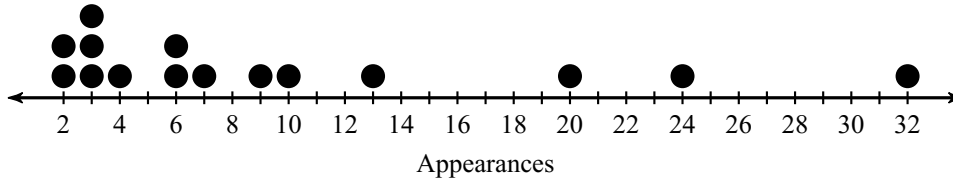


HW #5 - Test Review DUE on Sept 14th!

Find the mode, median, and mean for each data set.

1) Appearances in Basketball Tournament



2) Average Lifespan

Animal	Years
Rainbow Lorikeet	15
Toucan	6
Leopard	17
Tapir	30

Animal	Years
Canvasback duck	19
Wombat	15
Conure	25

Animal	Years
Bat	24
Bull	28
Cottontail	10

Animal	Years
Nutria	15
Toad	36
Bison	30

Animal	Years
Bear	40
Grouse	10
Giant Tortoise	152

3) Age at First Job

- 13 13 16 13 17 17 21
- 15 16 19 21 19 17 14
- 18

4) Car Masses (kg)

- 1,570 1,655 1,630 1,495 1,740
- 975 1,095 1,410 1,750 1,805
- 1,295 1,115 1,710 1,410 1,385

Draw a dot plot for each data set, then determine the mean and median

5) Shoe Size

- 7 6 10 8 8 9 7 9
- 11 10

6) Hits in a Round of Hacky Sack

- 4 12 8 3 4 4 7 7
- 8

7)

Birth Rate

Country	Births/woman
Honduras	3
Romania	1
Argentina	2
East Timor	5
Tonga	3
Ireland	2

Country	Births/woman
Lesotho	3
Trinidad & Tobago	2
Australia	2
North Korea	2
Uganda	6

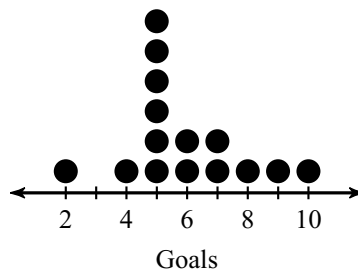
Country	Births/woman
Sudan	4
Malta	2
Belarus	1
Tanzania	5
South Korea	1

Find the sample standard deviation and population standard deviation for each data set.

8) # Words in Book Titles

6 3 3 5 2 2 2 2
 2 1 2 3 6 2 1 2
 2

9) Goals in a Hockey Game



10)

Age Assumed Office

Senator	Age
Jeanne Shaheen	61
Patrick Leahy	34
John Hoeven	53
Kirsten Gillibrand	42
Martin Heinrich	41

Senator	Age
Jerry Moran	56
Tim Johnson	50
Carl Levin	44
Susan Collins	44

Senator	Age
Chuck Grassley	47
Ron Wyden	46
Sherrod Brown	54
John Walsh	53

Senator	Age
Pat Toomey	49
David Vitter	43
Joe Manchin	63
Bob Menendez	52

11)

Average Time to Maturity

Plant	Days
French Bean	75
Celery	95
Pumpkin	120
Cheyenne Pepper	64
Iceburg Lettuce	85

Plant	Days
Tomatillo	100
Cabbage	50
Jalapeno Pepper	75
Brussel Sprouts	90

Plant	Days
Spinach	44
Bell Pepper	75
Walla Walla Onion	85
Collards	62

Plant	Days
Yukon Gold Potato	65
Red Lettuce	50
Sugar Pumpkin	102
Eggplant	74

Solve each problem.

12) What is 150% of 69.9?

13) What is 88% of 90?

14) What percent of 23 is 4?

15) 350% of what is 100?

16) 168% of what is 28?

17) What percent of 119 is 35?

18) 112 is what percent of 141.9?

19) 14% of 131 is what?

Find each percent change. State if it is an increase or a decrease.

20) From 55 to 53

21) From 54 to 72

22) From 48 to 5

23) From 28 to 54

Evaluate each using the values given.

24) $-5 + z - \frac{z}{x}$; use $x = \frac{3}{2}$, and $z = 2$

25) $6\left(z - \frac{y}{z}\right)$; use $y = \frac{1}{3}$, and $z = \frac{3}{4}$