

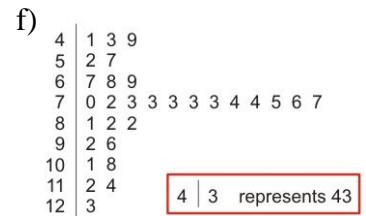
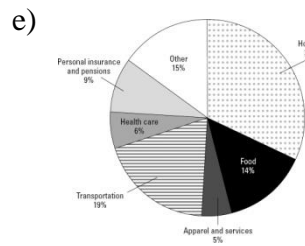
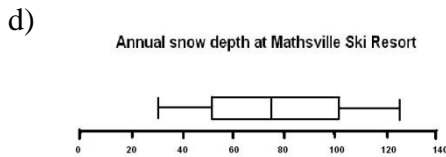
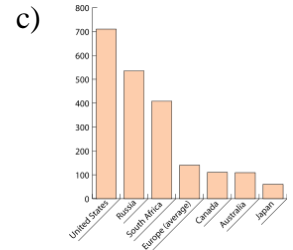
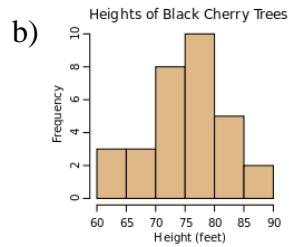
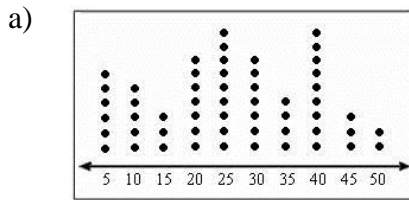
Name: \_\_\_\_\_

Period: \_\_\_\_\_

Date: \_\_\_\_\_

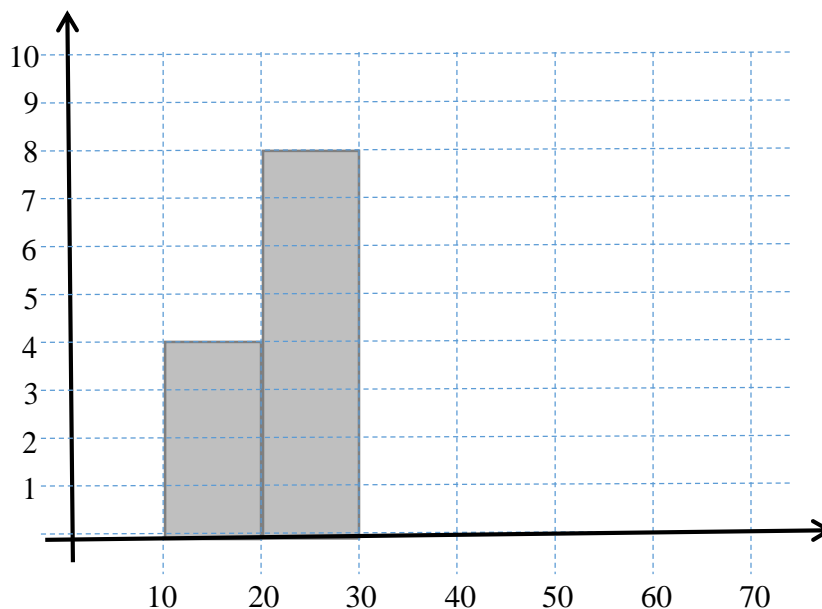
Probability & Statistics Worksheet – Displays of Quantitative Data

- Bar graphs and circle graphs are used to display categorical data. Name four different types of displays that are used to graph quantitative data.
- Identify the type of display shown in each of the following. (histogram, dotplot, etc.)



- Complete the display of the following data using a histogram with bin size 10.

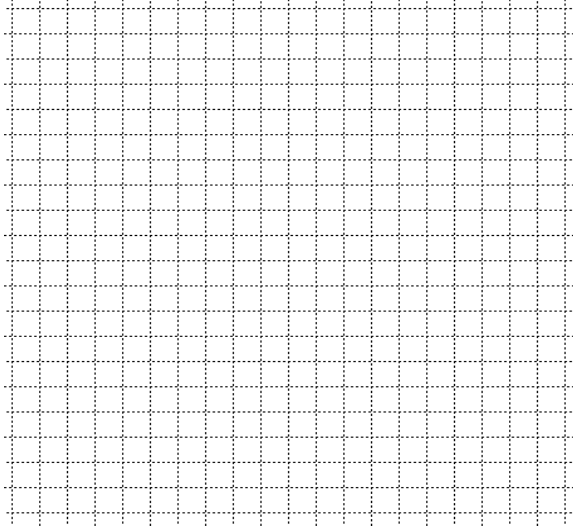
15, 15, 18, 19, 22, 22, 24, 25, 25, 25, 25, 27, 31, 31, 32, 34, 34, 38, 38, 44, 44, 44, 46, 47, 48, 48, 48, 48, 50, 50, 50, 50, 50, 51, 52, 53, 54, 55,



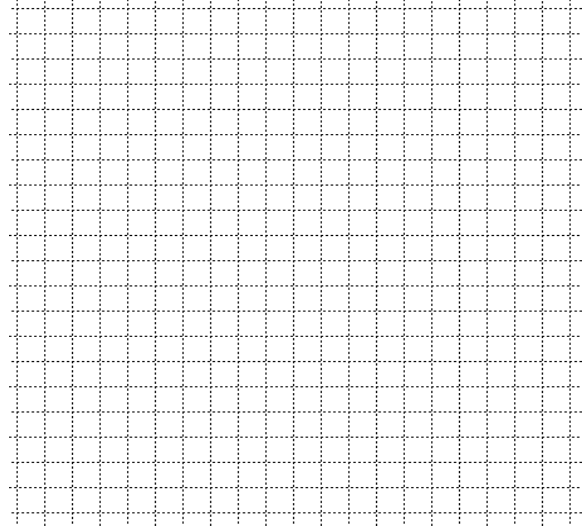
4. The following data represents student test scores in a science class.

32, 44, 88, 91, 50, 80, 90, 30, 40, 44, 76, 86, 92, 98, 94, 88, 80, 81, 66, 62,  
66, 65, 60, 80, 65, 70, 75, 75, 77, 72, 63, 91, 98, 84, 55, 62, 74, 82, 79, 70, 62

- a) Draw a histogram using bins of 5.

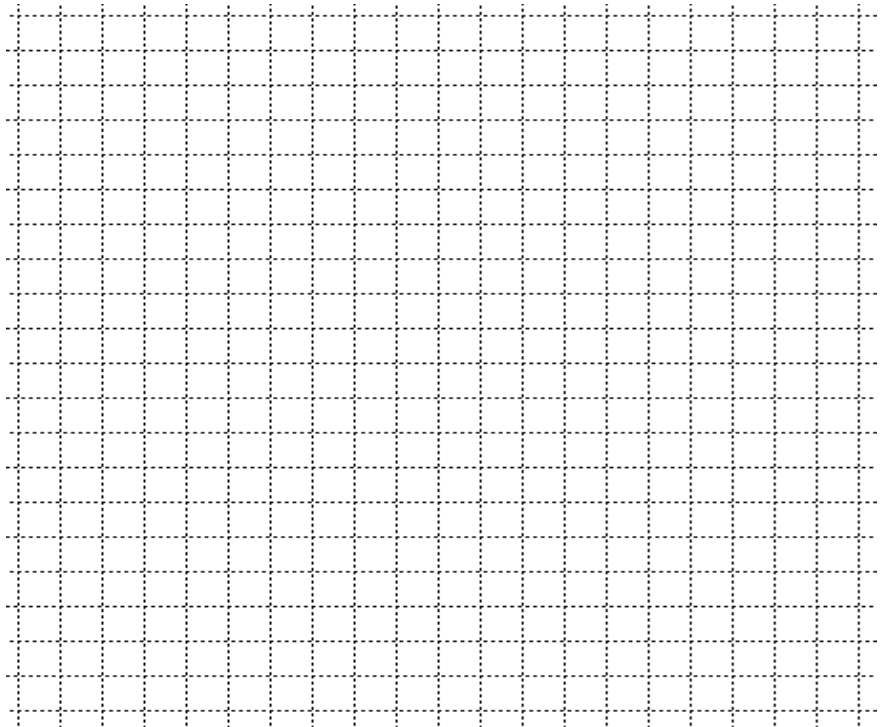


- b) Draw a histogram using bin size of 10.



5. The following data describes the age at which 24 different couples were when they got married. Create a double stem & leaf plot to display the data.

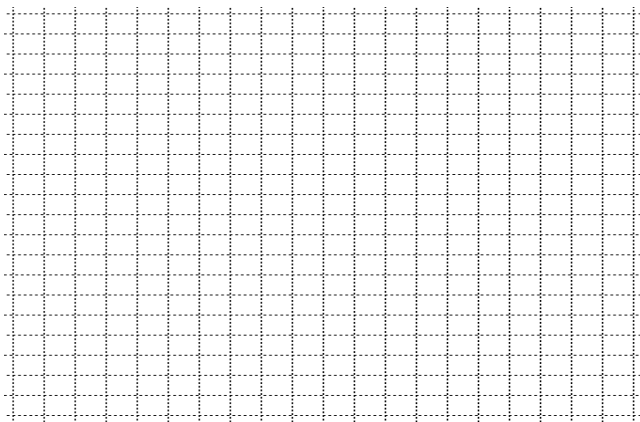
Husband	Wife
25	22
25	32
51	50
25	25
38	33
30	27
60	45
54	47
31	30
54	44
23	23
34	39
25	24
23	22
19	16
71	73
26	27
31	36
26	24
62	60
29	26
31	23
29	28
35	36



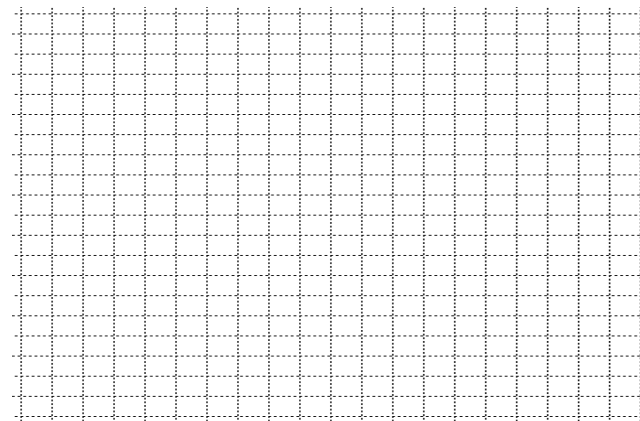
6. The following data describes the age at which 24 different couples were when they got married.

Husband	Wife
25	22
25	32
51	50
25	25
38	33
30	27
60	45
54	47
31	30
54	44
23	23
34	39
25	24
23	22
19	16
71	73
26	27
31	36
26	24
62	60
29	26
31	23
29	28
35	36

- a) Create a histogram that shows **Husband's** age when he got married.



- b) Create a histogram that shows **Wife's** age when she got married.



7. Find the mean and the median scores from the data in #4.

32, 44, 88, 91, 50, 80, 90, 30, 40, 44, 76, 86, 92, 98, 94, 88, 80, 81, 66, 62,  
66, 65, 60, 80, 65, 70, 75, 75, 77, 72, 63, 91, 98, 84, 55, 62, 74, 82, 79, 70, 62

8. Find the mean and median Husband's age when he got married from the data in #6.

9. Find the mean and median Wife's age when she got married from the data in #6.

10. Create a dot plot to display the reign of the 40 rulers listed in the table below.

Ruler	Reign	Ruler	Reign
William I	21	Edward III	50
William II	13	Richard II	22
Henry I	35	Henry IV	13
Stephen	19	Henry V	9
Henry II	35	Henry VI	39
Richard I	10	Edward IV	22
John	17	Edward V	0
Henry III	56	Richard III	2
Edward I	35	Henry VII	24
Edward II	20	Henry VIII	38
Edward VI	6	George I	13
Mary I	5	George II	33
Elizabeth I	44	George III	59
James I	22	George IV	10
Charles I	24	William IV	7
Charles II	25	Victoria	63
James II	3	Edward VII	9
William III	13	George V	25
Mary II	6	Edward VIII	1
Anne	12	George VI	15

