league

world
world
world
world

oholene

k
pac~~e~~
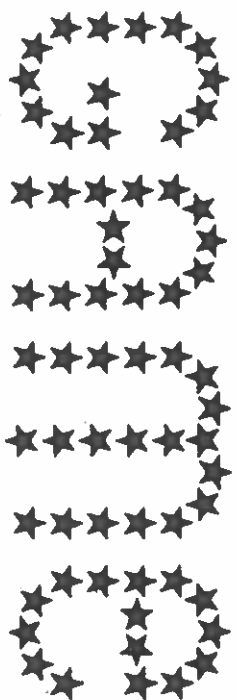
breth

Sample Scavenger Hunt Worksheet

Title of Scavenger Hunt	Title of Scavenger Hunt
Title of Scavenger Hunt	Title of Scavenger Hunt
Title of Scavenger Hunt	Title of Scavenger Hunt

Ideas for Active Participation

Learning Partners	Scavenger Hunts
Table Rotations	Foldables
4 X 4	Colored Paper

Data Find Scavenger Hunt

Name: _____

1.	6.	11.
2.	7.	12.
3.	8.	13.
4.	9.	14.
5.	10.	15.

Outlier

Data Find Scavenger Hunt

Total amount of practice time?

Volleyball Practice Time
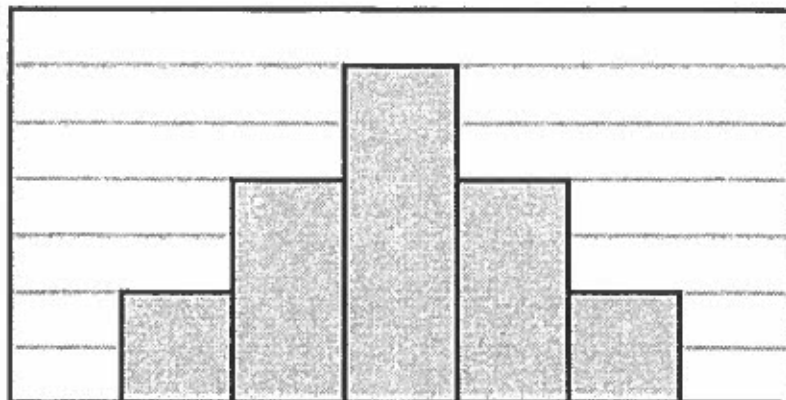
Stem	Leaf
14	0 2 2
15	5 5
16	0

14|2 means 142 minutes.

894

Data Find Scavenger Hunt
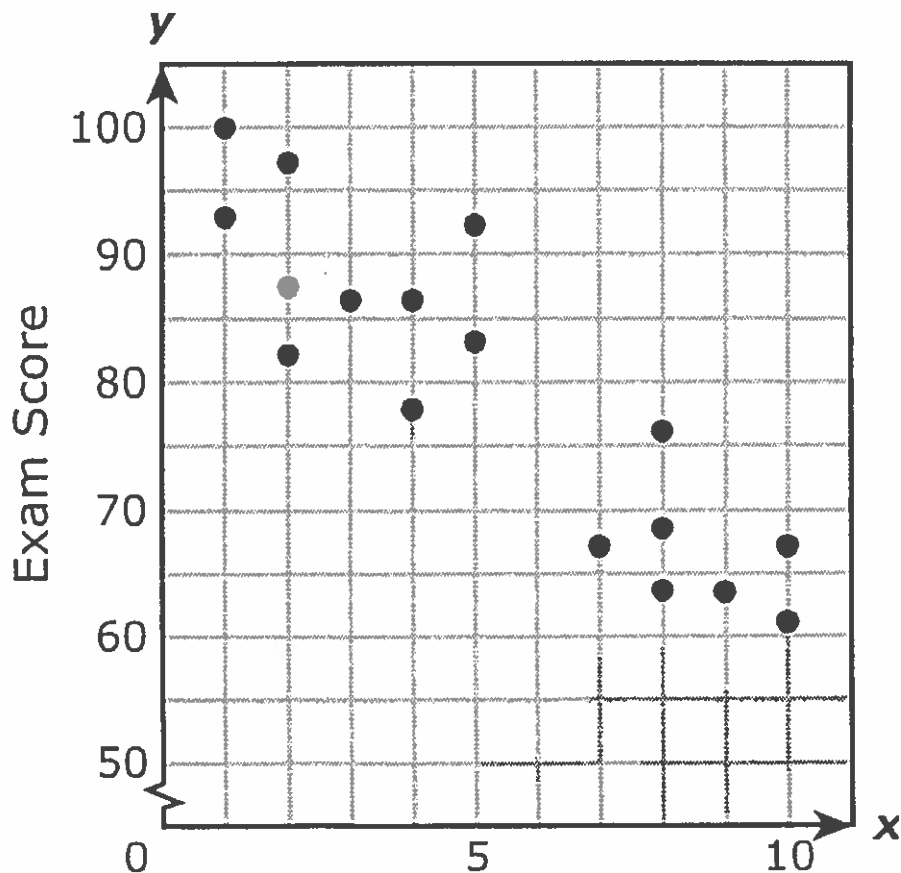
What kind of distribution does this data reflect?

Symmetrical

Data Find Scavenger Hunt

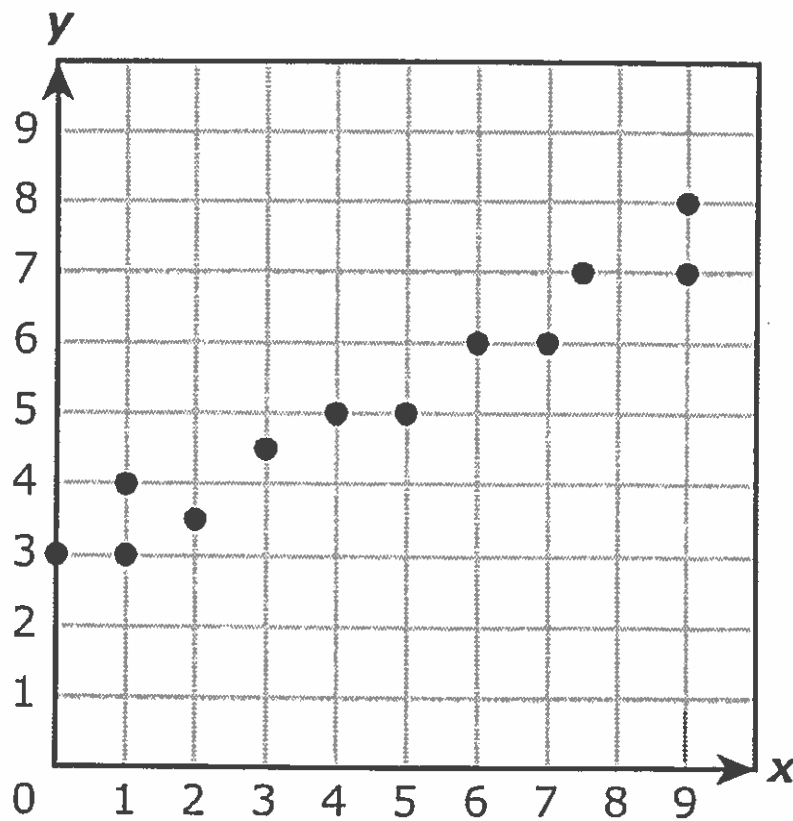With 6 absences – what would the exam score be?

Absences vs. Exam Scores

75

Data Find Scavenger Hunt

What relationship is the scatterplot suggesting?

Positive Linear

Data Find Scavenger Hunt

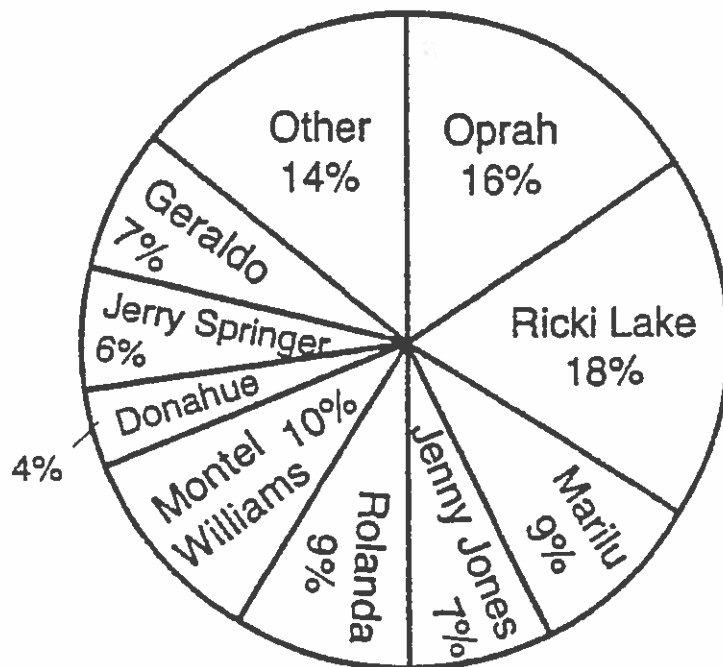### What is the MAD for this set of data?

Cell Phone Contacts

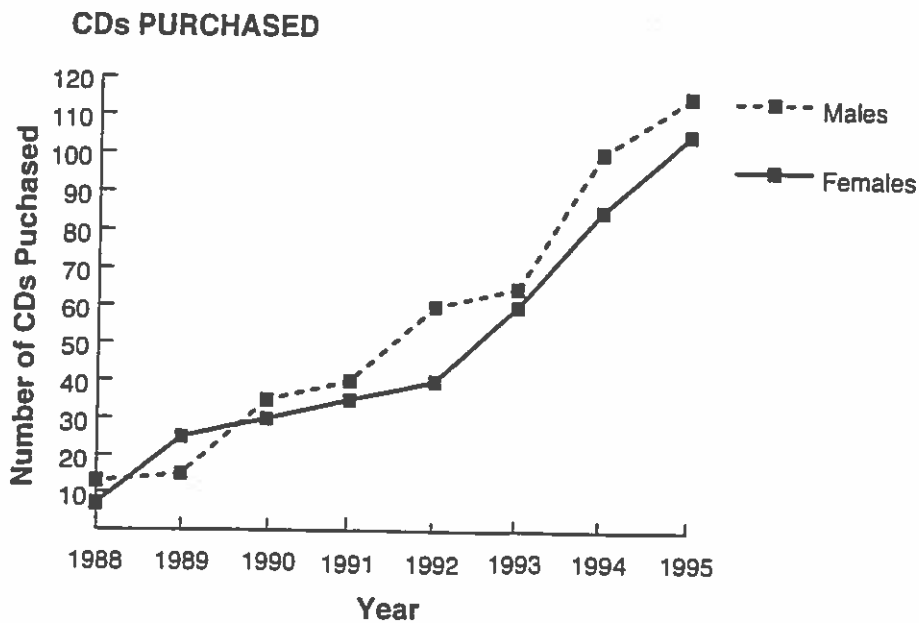| Person	Number of Contacts
Mary	68
Wes	72
Keith	77
Julie	64
Anthony	69
Lan	76

4

Data Find Scavenger Hunt

If 200 people were surveyed, how many would prefer Ricki Lake and Geraldo?

50

Data Find Scavenger Hunt

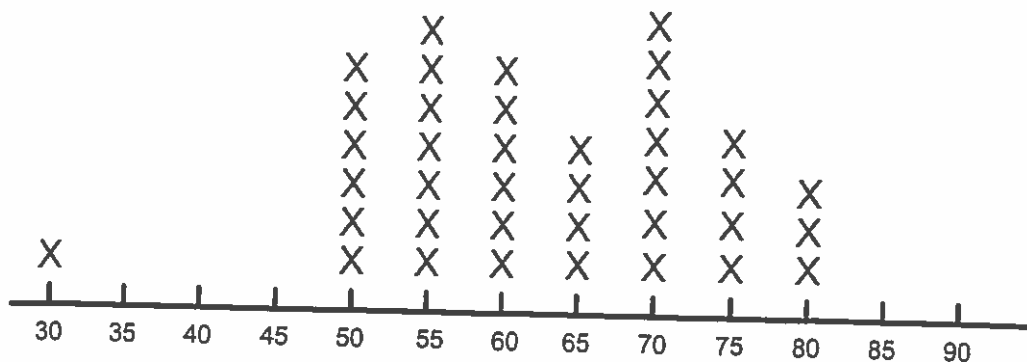### In 1990, how many CDs were purchased by females?

CDs PURCHASED

30

Data Find Scavenger Hunt

What is the mode of the data?

Ages of People Living at Mountain View

```
                              X                   X
                    X         X         X         X
                    X         X         X         X
                    X         X         X    X    X         X
                    X         X         X    X    X    X         X
           X        X         X         X    X    X    X    X    X
           X        X         X         X    X    X    X    X    X

     30    35   40   45   50   55   60   65   70   75   80   85   90
```
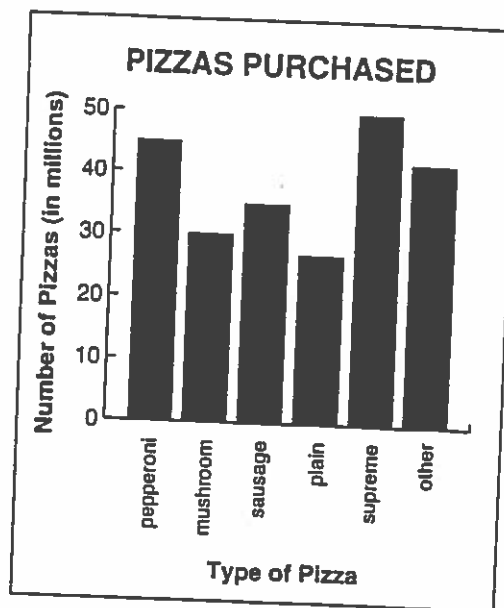
55 and 70

Data Find Scavenger Hunt

What is the range of the data?

```
4 | 1  3  5
5 | 2  5  7
6 | 6  9
7 | 2  8

          5 | 2   = 52
```

37

Data Find Scavenger Hunt

Fifty millions of what type of pizza was sold?

PIZZAS PURCHASED

Number of Pizzas (in millions)

50, 40, 30, 20, 10, 0

pepperoni, mushroom, sausage, plain, supreme, other

Type of Pizza

Supreme

Data Find Scavenger Hunt

What is the median of the wins?

Year	Wins
2006	10
2005	13
2004	11
2003	10
2002	11
2001	11
2000	9
1999	9
1998	9
1997	4
1996	8
1995	10
1994	8
1993	5
1992	6
1991	5
1990	10

9

Data Find Scavenger Hunt

Bob paid an average of $15 for jazz album. About how much did he spend?

Bob's Record Collection

Type	Number Owned ⊙ = 20 albums
classical	⊙ ⊙ ⊙
soul	⊙ ⊙ ⊙ ◖
jazz	⊙ ◖
rock	⊙ ⊙ ⊙ ⊙ ⊙ ⊙ ⊙ ⊙
country	⊙ ⊙ ⊙ ⊙ ⊙ ◖

450

Data Find Scavenger Hunt

How many people spoke French?

French 11
8
Spanish 22
3
1
4
5
Japanese
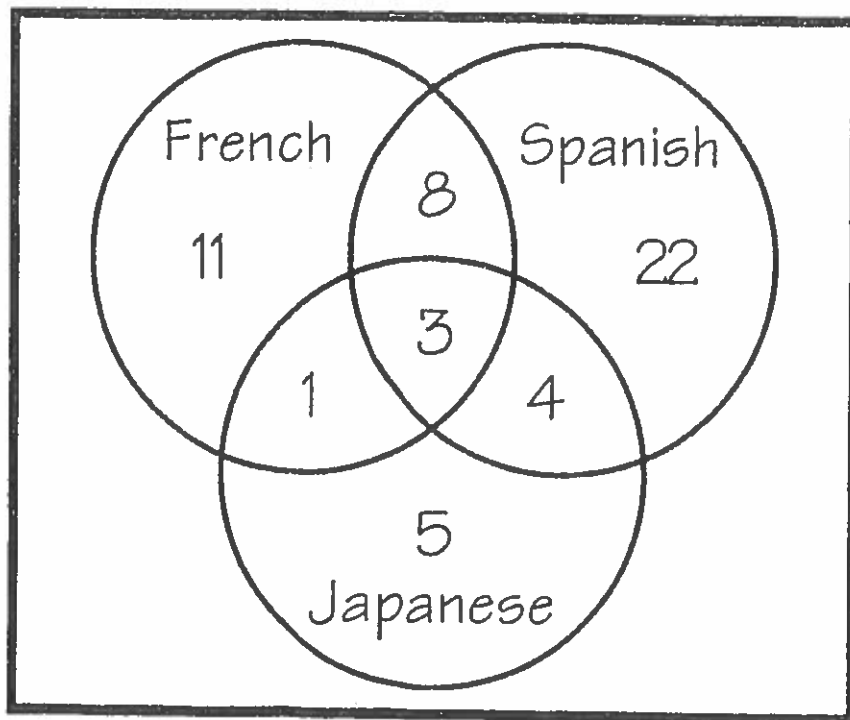
23

Data Find Scavenger Hunt

The data point with the greatest value.

Maximum

Data Find Scavenger Hunt

The data point(s) that do not "fit" in the set.

Box and Whisker Plots Notes

Box and Whiskers Plots are a graphical summary of the numerical analysis of a set of data.

The "MECHANICS"
In order to construct a BOX and WHISKER PLOT, you will need to find the:

Median	*Upper Quartile
*Lower Quartile	*Inter quartile Range
Maximum	Minimum
*Range	Outlier

*These are called "MEASURES of VARIATION"

To calculate:
1. Order the data points

2. Find the MEDIAN:
   a. The data point in the middle of the ordered set
      i. If there are two data points in the middle, find the **MEAN** of the two data points.
3. Find the UPPER QUARTILE
   a. The MEDIAN of the data points above the true MEDIAN
      i. If there are two data points in the middle, find the **MEAN** of the two data points.
4. Find the LOWER QUARTILE
   a. The MEDIAN of the data points below the true MEDIAN
      i. If there are two data points in the middle, find the **MEAN** of the two data points.
5. Find the INTERQUARTILE RANGE
   a. The difference in the UPPER QUARTILE and LOWER QUARTILE

$$UQ - LQ = IQR$$

6. Find the MAXIMUM
   a. The data point with the greatest value
7. Find the MINIMUM
   a. The data point with the least value
8. Find the RANGE
   a. The difference in the MAXIMUM and MINIMUM

$$MAX - MIN = RANGE$$

9. Find the OUTLIER (NOTE: not all data sets have outliers)
   a. Outliers are data points that do not "fit" the set. In science, they may be called mutants or anomalies. Follow these steps to determine if there are any OUTLIERS in a data set:
      i. IQR * 1.5 = OUTLIER VALUE (OV)
      ii. UQ + OV = UPPER LIMIT (UL)
      iii. LQ – OV = LOWER LIMIT (LL)
      iv. If any data point(s) fall(s) above the UL or below the LL, it(they) is(are) considered an OUTLIER(S)

Red/Blue Data Find

Name: _____

1. Mean	6. Median
2. Range	7. Mean
3. Median	8. MAD
4. Mode	9. Range
5. MAD	10. Mode

20 30 50 20 30 100 20 10

16 17 19 19 24 25 28 29 36 75

755 625 660 573 625

48 47 52 56 52 58

2

5

7

13

13

29

36

45

28

36

54

2.2

2.9

2.9

2.2

2.6

2.2

7

10

10

9

9

8

10

28	1.5
30	1.96
30	9.9
27	2.81
26	1.57
	2