

- 1) Agenda
- 2) ✓ HW
- 3) Spiral

Mean-average

7, 11, 9, 7, 6

6, 7, 7, 9, 11

mean = 8
median = 7
middle

$$\begin{array}{r} 8 \\ 5 \overline{)40} \\ \underline{-40} \\ 0 \end{array}$$

$$\begin{array}{r} 6 \\ 7 \\ 7 \\ 9 \\ \oplus 11 \\ \hline 40 \end{array}$$

Histogram
Answers

- 1) 1990-1995
- 2) 2006-2010
- 3) 61
- 4) 61 + 10 = 71
- 5) 1990-1995

6, 12, 12, 16, 24

mean = 14
median = 12
middle

$$\begin{array}{r} 14 \\ 5 \overline{)70} \\ \underline{-5} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

$$\begin{array}{r} 6 \\ 12 \\ 12 \\ 16 \\ 24 \\ \hline 70 \end{array}$$

8/25/11 Mode / Range

Mode - Most (the value that occurs most often in a set of data.)

3, 5, 4, 2, 2, 6

mode = 2

12, 16, 22, 25

mode = no mode

6, 3, 3, 5, 4, 4, 7

mode: 3, 4

Range : Subtraction

→
Difference between the greatest and least value.

76, 81, 94, 81, 78

(76), 78, 81, 81, (94)

94

- 76

18 - range

Review Answers / Data Quiz 1

- 1) Bulldogs
- 2) Play Soccer (7)
- 3) D

6) Total of Purchases

13

Add frequency to find total.

\$	Tally	Free
0-9		4
10-19		1
20-29		3
30-39		2
40-49		3

4) less (smaller)
\$29 8 $3+1+4$

5) Can not tell because it is an interval. (40-49)

7.) \$24, \$32, \$17, \$20, \$31, \$20

least $\$17$, $\$20$, $\$20$, $\$24$, $\$31$, $\$32$ greatest

Put in order least to greatest.

mean: add / divide

$$\begin{array}{r} 17 \\ 20 \\ 20 \\ 24 \\ 31 \\ 32 \\ \hline 144 \end{array} \quad \begin{array}{r} 24 \\ 6 \overline{) 144} \\ \underline{12} \\ 24 \\ \underline{-24} \\ 0 \end{array} \quad \boxed{\text{mean} = 24}$$

median: middle

If two middle #'s find the average.

$$\boxed{\text{median} = 22} \quad \begin{array}{r} 20 \\ + 24 \\ \hline 44 \end{array} \quad \begin{array}{r} 22 \\ 2 \overline{) 44} \\ \underline{4} \\ 4 \\ \underline{-4} \\ 0 \end{array}$$

mode: most

$\boxed{\text{mode} = 20}$

Range: difference

$$\begin{array}{r} 232 \\ - 17 \\ \hline 15 \end{array} \quad \boxed{\text{range} = 15}$$

8.) ^{least} (8), 8, 9, 9, 10, 11, 11, 12, (13) ^{greatest}

8	mean: 10.1
8	
9	median: 10
9	
10	mode: 8, 9, 11
11	
11	
12	range: $\frac{13}{5}$
+ 13	
91	
10.1	
9 91	
9	
—	
11	
-9	

9.) Salary range
88⁺ thousand

10.) \$66,000 or more
 66-76 77-87 88⁺
 250 + 350 + 100
about 725

11.) Cannot tell due to interval. (11-21)