

7. The data shows the finishing times (in minutes) of men in the 60- to 64-year-old age group in a 5-kilometer run. *NOTE: The data is already in order if you read ACROSS.*

20	23	23	25	25	26	28
28	30	30	31	32	33	34
36	37	37	41	42	49	50

- a. Find the five-number summary for this data.

Min = _____ / Q1 = _____ / Med = _____ / Q3 = _____ / Max = _____

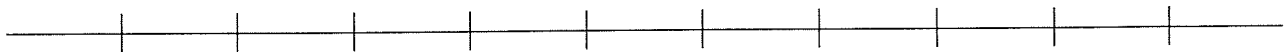
- b. What is the range?

b. _____

- c. Find the interquartile range (IQR).

c. IQR = _____

- d. Create a boxplot for the data set. Be NEAT!!



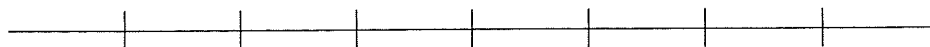
8. Consider a data set with a **mean of 40** and a **standard deviation of 6**. For what range of values is within one standard deviation?

9. The most recent test scores for a math class are displayed in the table below:

77	86	79	94	65
82	76	97	65	77
89	78	84	79	88

- a. What is the mean of this data set? a. _____
- b. What is the variance for this data set? b. _____
- c. What is the standard deviation for this data set? c. _____
- d. What score ranks in the 30th and 80th percentile? d. _____

e. Create a line plot and indicate 2 standard deviations above and below the mean. Be neat!



- f. Within how many standard deviations from the mean do all of the data values fall? f. _____



Algebra 2

Name: Key

QUIZ – Sections 11-5 to 11-6

Date: _____ Hour: _____

No Graphing Calculator Allowed!
Round all answers to the nearest hundredth.

The following are the numbers of hours that 8 students watched television in a particular week:

4	5	6	3	10	5	22	4
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1. Find the mean.
(to the nearest tenth)

2. Find the median.

1. 7.4 +1

3 4 4 5 5 6 10 22

2. 5 +1

3. What is the mode?

4. Find the range.

3. 4 and 5 +2

4. 19 +1

5. Complete the table as we did in class to find the standard deviation "by hand."

	$(x-\bar{x})$	$(x-\bar{x})^2$
3	3-7	16
4	4-7	9
4	4-7	9
5	5-7	4
5	5-7	4
6	6-7	1
10	10-7	9
22	22-7	225
$\bar{x} = 7.4$		$\Sigma = 277/8$
		$\sigma^2 = 34.63$
		5.88 or 5.9

5. 5.9 +6

6. Find the mean of the data shown in the frequency table.

6. $\frac{47}{24} = 1.95 \approx 2$ +2

Absences	0	1	2	3	4
Frequency	3	5	8	6	2

0 + 5 + 16 + 18 + 8
000, 1, 1, 1, 1, 1, 2, 2, 2, 2, 2, 2, 2, 3, 3, 3, 3, 3, 3, 4, 4

24

13

7. The data shows the finishing times (in minutes) of men in the 60- to 64-year-old age group in a 5-kilometer run. **NOTE: The data is already in order if you read ACROSS.**

20	23	23	25	25	26	28
28	30	30	31	32	33	34
36	37	37	41	42	49	50

- a. Find the five-number summary for this data.

Min = 20 / Q1 = 25.5 / Med = 31 / Q3 = 37 / Max = 50

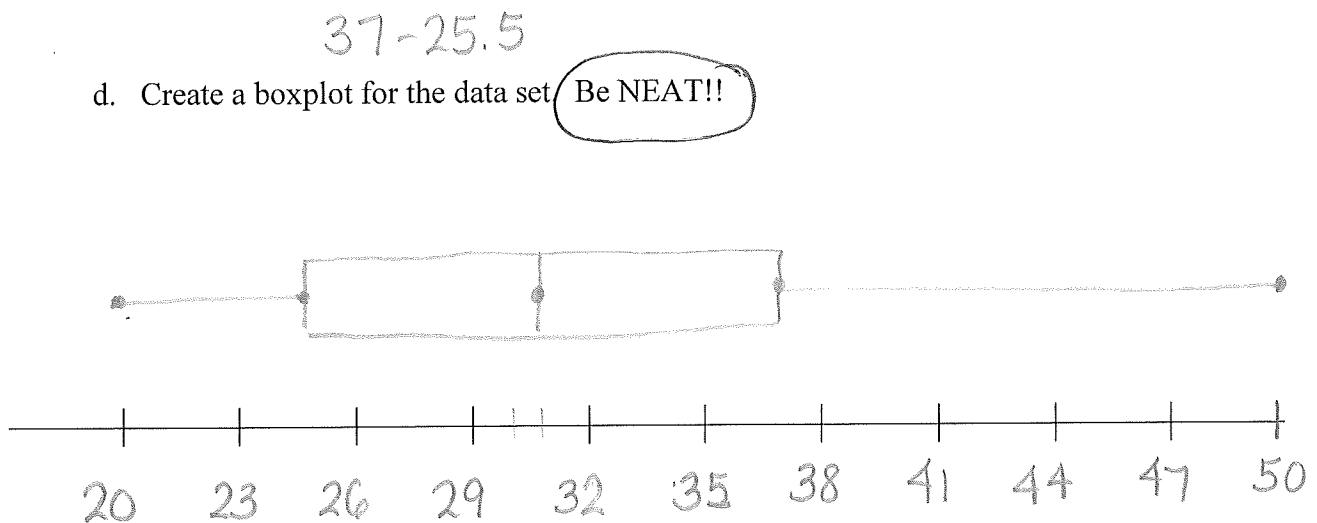
- b. What is the range?

b. 30 +7

- c. Find the interquartile range (IQR).

c. IQR = 11.5

- d. Create a boxplot for the data set (Be NEAT!!)



8. Consider a data set with a **mean of 40** and a **standard deviation of 6**. For what range of values is within one standard deviation?

$34 \leq x \leq 46$ +3

9. The most recent test scores for a math class are displayed in the table below:

77	86	79	94	65
82	76	97	65	77
89	78	84	79	88

$n = 15$

65, 65, 76, 77, 77, 78, 79, 79, 82, 84, 86, 88, 89, 94, 97

a. What is the mean of this data set?

a. $\frac{81.1}{15} + 1$

b. What is the variance for this data set?

b. $\frac{77.3}{15} + 2$

c. What is the standard deviation for this data set?

c. $\frac{8.8}{15} + 2$

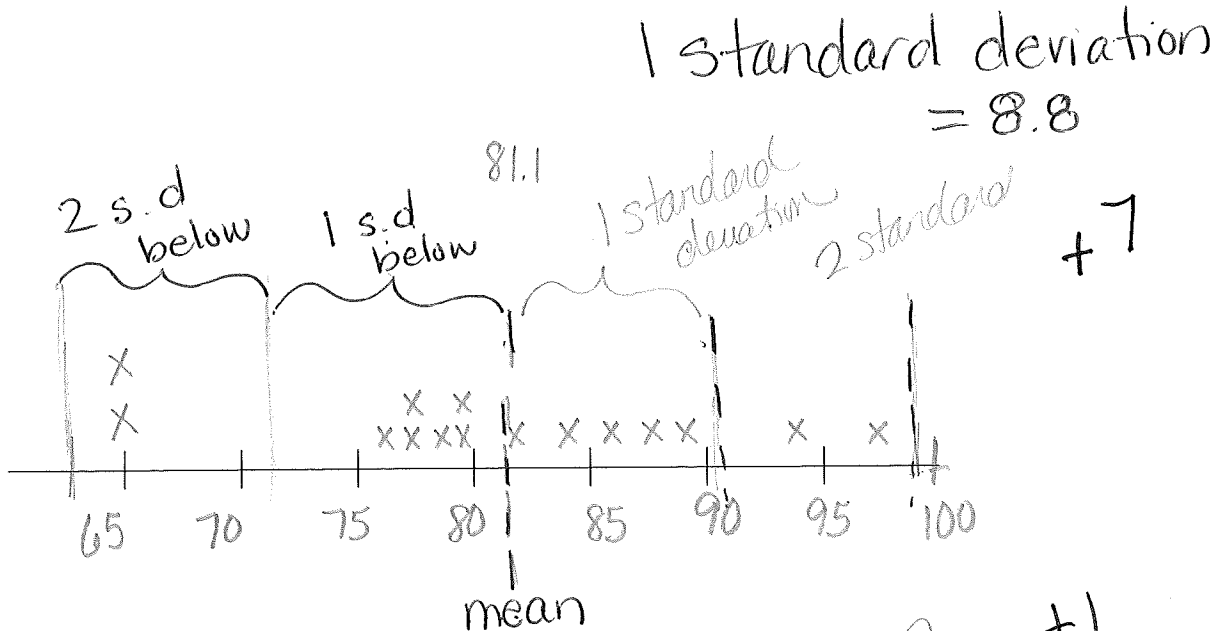
d. What score ranks in the 30th and 80th percentile?

d. $\frac{77}{15} + 1$

$(.30)(15) = 4.5$
 $(.80)(15) = 12$

$\frac{88}{15} + 1$

e. Create a line plot and indicate 2 standard deviations above and below the mean. Be neat!



f. Within how many standard deviations from the mean do all of the data values fall?

f. $\frac{2}{15} + 1$

Thursday - Test 11.5-11.7

Friday - Review Ch 7-8

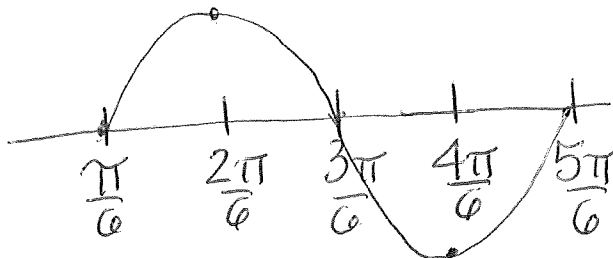
Mon - Review. Ch 9-13

Tue - Rev. Ch 11

$$y = 2 \cos \frac{3t}{\uparrow} - 1$$

$$\text{Period: } \frac{2\pi}{3}$$

$$\text{Inc: } \frac{2\pi}{3} \cdot \frac{1}{4_2} = \frac{\pi}{6}$$



65	65-81	16^2
65	65-81	16^2
76	76-81	5^2
77	77-81	4^2
77	77-81	4^2
78	78-81	3^2
79	79-81	2^2
79	79-81	2^2
82	82-81	$= 1^2$
84	84-81	$= 3^2$
86	86-81	$= 5^2$
88	88-81	$= 7^2$
89	89-81	$= 8^2$
94	94-81	$= 13^2$
97	97-81	$= 16^2$

256
256
25
16
16
9
4
4
1
9
25
49
64
169
256

mean 81.1

$$\frac{1159}{15} = 77.3$$

σ^2
variance

$$\sigma = \begin{cases} 8.79 \\ 8.8 \end{cases}$$

L'Anse Creuse High School - North
Second Semester 2014
Final Exam Schedule CHANGE – Bell Schedule

Date:

Tuesday June 3, 2014

NORMAL SCHOOL DAY

Date:

Wednesday June 4, 2014

Final Exams for Periods 1 & 2

Thursday June 5, 2014

Final Exams for Periods 3 & 4

Friday June 6, 2014

Final Exams for Periods 5 & 6

Period	Time
Warning Bell	7:06 am / 7:10 am
A Hour	7:11 – 8:53 am (102 minutes)
B Hour	8:59 – 10:40 am (101 minutes)

Date:

Monday June 9, 2014

Final Exam for Period 7

Period	Time
Warning Bell	7:06 am/ 7:10am
A Hour	7:11 – 9:15 am (124 minutes, added time for inclement weather days)