

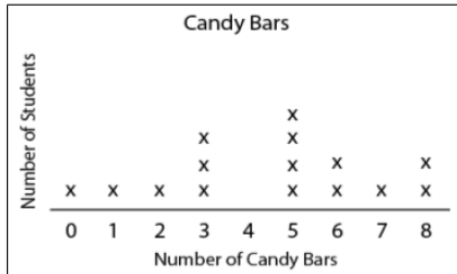
5/17/17 CCM6+7+

Review Units 12-14 for RETEST FRIDAY.

1. Agenda...Last EOG set due Monday....and review for EOG Tuesday 5/30
2. You need a pencil and calculator for class.

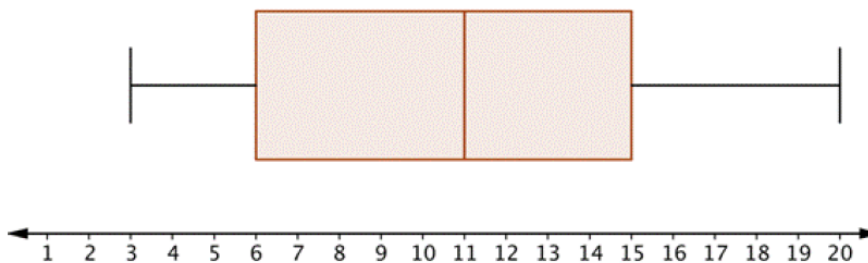
Unit 12 Review ~ Statistics and Data

From the line plot below:



1. Find the mean: _____
2. Find the median: _____
3. Find the mode: _____
4. Find the range: _____

5. Write a data set that could be used to create the box-and-whisker plot shown below.



6. # of pieces of chocolate eaten by a 13-year-old boy in one sitting:

6, 5, 16, 2, 3, 6, 6, 4

Find the Mean and the Mean Absolute Deviation. **Round to TENTHS.**

Data	Data – Mean	Absolute Value of Difference
6		
5		
16		
2		
3		
6		
6		
4		

Mean = _____ M.A.D. = _____

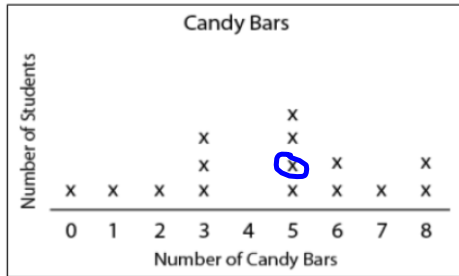
7. You got the following grades on your ELA quizzes: 92, 88, 90, and 100. What grade must you get on the fifth and final quiz to have a mean of **exactly 93** on your quizzes?

8. Which set of student grades will have a lower M.A.D.? **Explain.**

- a) 80, 81, 82, 81
- b) 80, 55, 48, 60

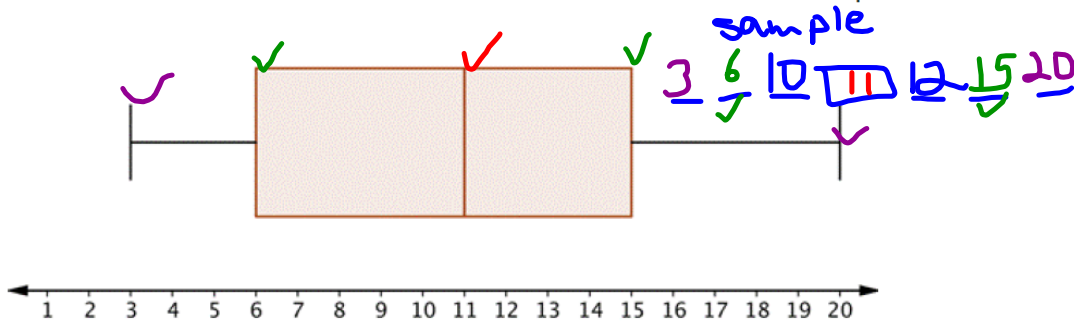
Unit 12 Review ~ Statistics and Data

From the line plot below:



1. Find the mean: $\frac{67}{15} = 4.5$
2. Find the median: 5
3. Find the mode: 5
4. Find the range: 8

5. Write a data set that could be used to create the box-and-whisker plot shown below.



6. # of pieces of chocolate eaten by a 13-year-old boy in one sitting:

6, 5, 16, 2, 3, 6, 6, 4

Find the Mean and the Mean Absolute Deviation. **Round to TENTHS.**

Data	Data - Mean	Absolute Value of Difference
6		0
5		1
16		10
2		4
3		3
6		0
6		0
4		2

Mean = 6 M.A.D. = 2.5

7. You got the following grades on your ELA quizzes: 92, 88, 90, and 100. What grade must you get on the fifth and final quiz to have a mean of **exactly 93** on your quizzes?

total 370 → need 93 * 5 = 465
465 - 370 = 95

8. Which set of student grades will have a lower M.A.D.? **Explain.**

- a) 80, 81, 82, 81
- b) 80, 55, 48, 60

closer together, smaller range

Unit 13 Review ~ Transformations

You may choose to use graph paper to answer these questions. You may not use "translation" more than once in problems 11-14.

Name the transformation that occurred.

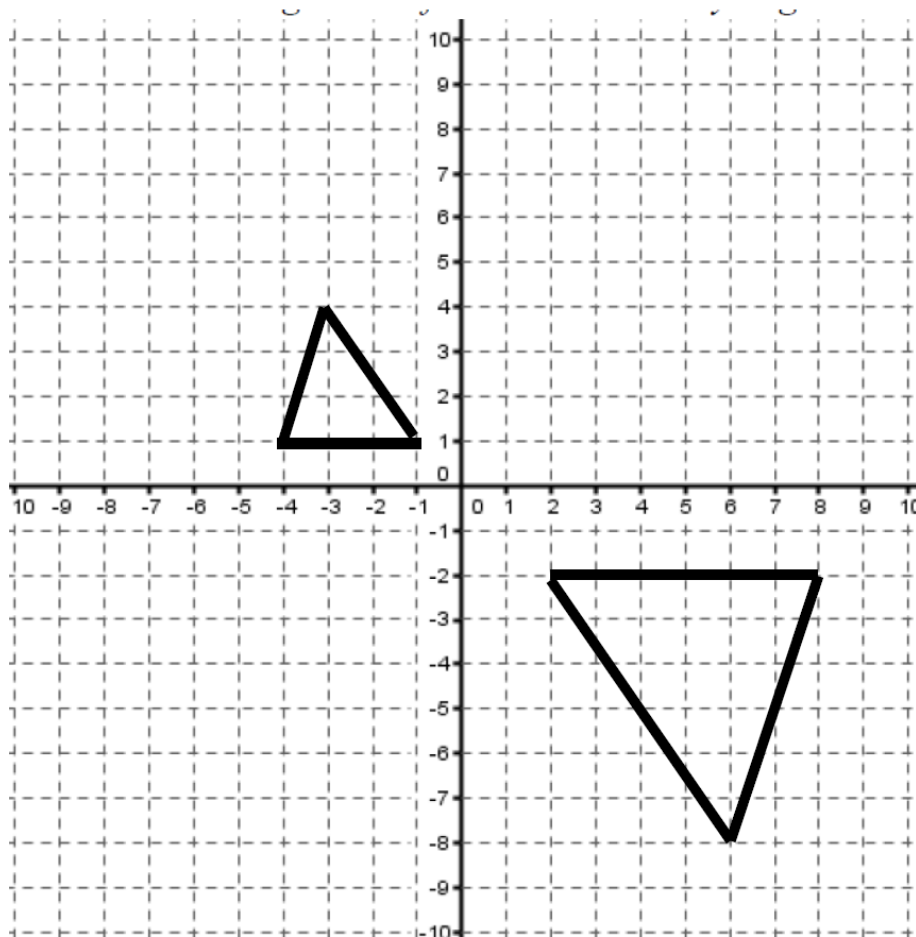
9. $A(3, -2)$ became $A'(3, 2)$.

10. $B(-5, -2)$ became $B'(2, -5)$.

11. $C(-4, -2)$ became $C'(-7, 4)$.

12. $D(8, 4)$ became $D'(-2, -1)$.

13. Name a series of two transformations (composition of transformations) that will move the pre-image in quadrant II to the image in quadrant IV.



Unit 13 Review ~ Transformations

You may choose to use graph paper to answer these questions. You may not use "translation" more than once in problems 11-14.

Name the transformation that occurred.

9. $A(3, -2)$ became $A'(3, 2)$.

reflect across x-axis

10. $B(-5, -2)$ became $B'(2, -5)$.

rotate 90° ccw

11. $C(-4, -2)$ became $C'(-7, 4)$.

translate $(x-3, y+6)$

12. $D(8, 4)$ became $D'(-2, -1)$.

dilate by $-\frac{1}{4}$

13. Name a series of two transformations (composition of transformations) that will move the pre-image in quadrant II to the image in quadrant IV.

