

Name: _____ Section: _____



Hello scholars and parents. We will finish with Chapter 18 this week with Lessons 18.4 and 18.5 .

We also will work with IXL MM skills

We will have chapter 18 Test this week .

If you have any questions or concerns, please feel free to contact me at vasily.tserekh@archimedeian.org .

Notes

Students **MUST** prove and show all their work. If additional space is needed, please feel free to attach lined paper to the homework packet. **Failure to show your work will result in a lower grade.** Please complete the homework to the best of your abilities

Monday February 19 No classes

Tuesday February 20 Chapter 18 Lesson 5

Wednesday February 21 IXL Practice

Thursday February 22 Chapter 18 Review

Friday February 23 Chapter 18 Test

Parents please initial below each day acknowledging your child has completed the assigned homework. **Homework will be checked daily in class. Completed homework packets are due on Tuesday, February 27 for a grade.**

Monday February 19	Tuesday February 20	Wednesday February 21	Thursday February 22	Friday February 23
	Homework page 1	Homework page 2	No homework	No homework

Represent Mean as Fair Share and Balance Point

Go Online

Interactive Examples

Use counters to find the mean of the data set.

1. Six students count the number of buttons on their shirts.

The students have 0, 4, 5, 2, 3, and 4 buttons.

Make 6 stacks of counters with heights 0, 4, 5, 2, 3, and 4.

Rearrange the counters so that all 6 stacks have the same height.

After rearranging, each stack has 3 counters.

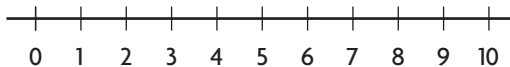
So, the mean of the data set is 3.

2. Four students completed 1, 2, 2, and 3 chin-ups. _____

Make a line plot for the data set and use it to check whether the given value is a balance point for the data set.

3. Ishi's friends ate 0, 2, 3, 4, 6, 6, and 7 pretzels.

Ishi says the mean of the data is 4. Is Ishi correct?



The total distance from 4 for values less than 4 is _____.

The total distance from 4 for values greater than 4 is _____.

_____ The mean of 4

_____ a balance point.

So, Ishi _____ correct.

Problem Solving

4. Three baskets contain 8, 8, and 11 soaps.


Can the soaps be rearranged so that there is an equal whole number of soaps in each basket?

Explain why or why not.

5. Five pages contain 6, 6, 9, 10, and 11 stickers.

Can the stickers be rearranged so that there is an equal whole number of stickers on each page?

Explain why or why not.

6.  **WRITE** *Math* Describe how to use counters to find the mean of a set of data. Give a data set and list the steps to find the mean.

Interpret Data Using Mean, Median, Mode, and Range

Go Online

Interactive Examples

Use the table for 1–5.

1. What is the mean of the data?

$$\frac{10 + 8 + 11 + 12 + 6}{5} = \frac{47}{5} = 9.4$$

9.4 points

2. What is the median of the data?

3. What is the mode(s) of the data?

4. What is the range of the data?

Number of Points Blaine Scored in Five Basketball Games	
Game	Points Scored
1	10
2	8
3	11
4	12
5	6

5. Suppose Blaine played a sixth game and scored 10 points during the game. Find the new mean, median, and mode.

Problem Solving

6. An auto manufacturer wants their line of cars to have a median gas mileage of 25 miles per gallon or higher. The gas mileage for their five models are 23, 25, 26, 32, and 19. Do their cars meet their goal? Explain.

7. A sporting goods store is featuring several new bicycles, priced at \$300, \$250, \$325, \$780, and \$350. They advertise that the average price of their bicycles is under \$400. Is their ad correct? Explain.

- 8.
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- WRITE**
- Math*
- Explain how to find the mean of a set of data.