

Name: _____ Section: _____



Hello scholars and parents. We will start with Chapter 18 this week with Lessons 18.1, 18.2, 18.3 and 18.4 .

We also will work with IXL MM skills

If you have any questions or concerns, please feel free to contact me at vasily.tserekh@archimedean.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 12 Chapter 18 Lesson 1

Tuesday February 13 Chapter 18 Lesson 2

Wednesday February 14 Chapter 18 Lesson 3

Thursday February 15 Chapter 18 Lesson 3

Friday February 16 Chapter 18 Lesson 4

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 20 for a grade.**

Monday February 12	Tuesday February 13	Wednesday February 14	Thursday February 15	Friday February 16
Homework Page 1	Homework page 2	Homework page 3	No homework	No homework

Collect and Organize Data

Go Online

Interactive Examples

Tell if the survey question or observation is good.

Explain your reasoning.

- Where are you going for summer vacation?
(Florida, New York, California, Staying Home)

Not good; I cannot answer this question if I am going somewhere not listed,
such as Ohio.

- Record the number of pieces of mail you get in one week.

Use the table at the right for 3 and 4.

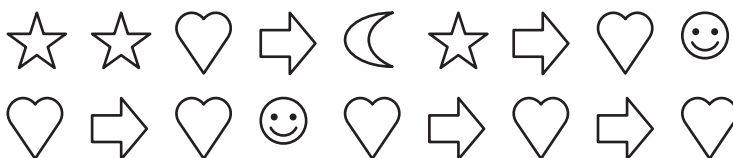
Each person in Ari's group chooses three different books from the bookshelf, lays them side-by-side, and measures the length in inches. He records the data in the table.

- What was the longest measure? _____
- How many students measured books? _____

Length of Books	
$14\frac{1}{2}$ in.	$16\frac{3}{4}$ in.
$15\frac{1}{4}$ in.	$17\frac{1}{4}$ in.
$12\frac{1}{2}$ in.	$15\frac{3}{4}$ in.
$13\frac{3}{4}$ in.	$14\frac{1}{2}$ in.
$13\frac{1}{2}$ in.	15 in.
18 in.	$20\frac{1}{2}$ in.

Use the tally table at the right for 5–7.

- Ohanna has the following stickers. Tally the number of each type of sticker Ohanna has.



- Which type of sticker occurs least often? _____
- Ohanna gives 3 heart stickers to a friend. How many heart stickers does she have left? _____

Sticker	Tally
☆	
➡	
♥	
😊	
☾	

Represent and Interpret Line Plots

Go Online

Interactive Examples

Use the data to complete the line plot. Then answer the questions.

A clerk in a health food store makes bags of trail mix. The amount of trail mix in each bag is listed below.

$\frac{1}{4}$ lb, $\frac{1}{4}$ lb, $\frac{3}{4}$ lb, $\frac{1}{2}$ lb, $\frac{1}{4}$ lb, $\frac{3}{4}$ lb,
 $\frac{3}{4}$ lb, $\frac{3}{4}$ lb, $\frac{1}{2}$ lb, $\frac{1}{4}$ lb, $\frac{1}{2}$ lb, $\frac{1}{2}$ lb

1. What is the combined weight of the $\frac{1}{4}$ -lb bags? 1 lb

Think: There are four $\frac{1}{4}$ -pound bags.

2. What is the combined weight of the $\frac{1}{2}$ -lb bags? _____

3. What is the combined weight of the $\frac{3}{4}$ -lb bags? _____

4. What is the total weight of the trail mix used in all the bags? _____

5. What is the range of the weights of the trail mix? _____

Siroun uses crystals to make a bracelet. The lengths of the crystals are shown below.

0.5 cm, 0.625 cm, 0.75 cm, 0.5 cm, 0.375 cm, 0.5 cm, 0.75 cm,
 0.375 cm, 0.75 cm, 0.625 cm, 0.5 cm, 0.375 cm, 0.625 cm, 0.75 cm

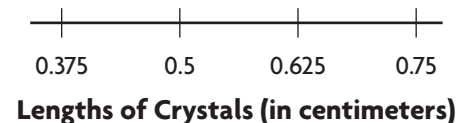
6. What is the combined length of the 0.5-cm crystals? _____

7. What is the combined length of the 0.625-cm crystals? _____

8. What is the total length of all the crystals in the bracelet? _____

9. What is the mean length of each crystal in the bracelet? Round to the nearest thousandth. _____

10. **WRITE** *Math* Describe the steps you can use to find the mean of the decimal amounts.



Represent and Interpret Line Graphs

Go Online

Interactive Examples

Use the table for 1–7.

Hourly Temperature							
Time	10 a.m.	11 a.m.	12 noon	1 p.m.	2 p.m.	3 p.m.	4 p.m.
Temperature (°F)	$8\frac{1}{2}$	$11\frac{1}{4}$	16	$26\frac{3}{4}$	31	$37\frac{3}{4}$	$41\frac{1}{4}$

1. Write the related number pairs for the hourly temperature as ordered pairs.

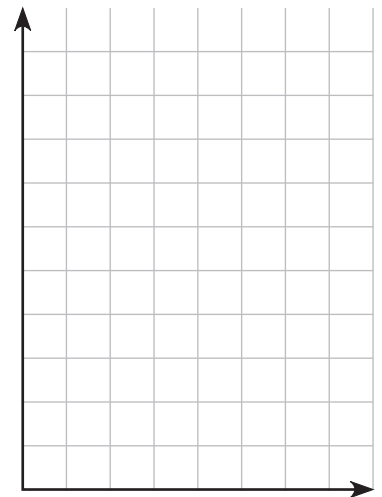
$(10, 8\frac{1}{2})$, $(11, 11\frac{1}{4})$, $(12, 16)$, $(1, 26\frac{3}{4})$, $(2, 31)$, $(3, 37\frac{3}{4})$, $(4, 41\frac{1}{4})$

2. What scale would be appropriate to graph the data?
- _____

3. What interval would be appropriate to graph the data?
- _____

4. Make a line graph of the data.
- _____

5. Use the graph to find the difference in temperature between 11 a.m. and 1 p.m.
- _____



Problem Solving

6. Between which two hours did the least change in temperature occur?
- _____
- _____
- _____

7. What was the change in temperature between 12 noon and 4 p.m.?
- _____