

Homework for March 3-5, 2020

This is your homework for the entire week. You must complete the problems on a separate sheet of paper.

Tuesday

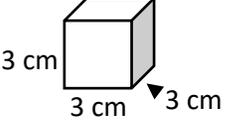
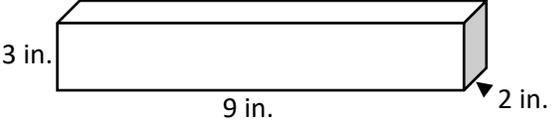
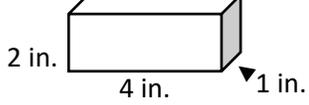
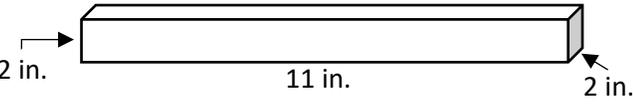
This frequency table below shows the data for the number of miles runners in a local group ran last week. Construct a line plot using the data. After constructing the line plot, answer the questions below.

Miles Ran	Frequency
4	5
4 ½	4
5	1
5 ½	2
6	3

1. What is the largest number of miles ran?
2. What is the smallest number of miles ran?
3. What distance occurs the least?
4. What distance occurs the most?
5. What is the difference between the largest and smallest number of miles ran?
6. What is the average number of miles ran?
(Your answer can be written as a fraction.)

Thursday

Find the volume of the figures below.

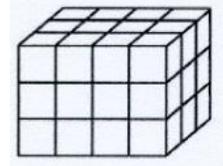
1. 
2. 
3. 
4. 

5. What is the volume of a rectangular prism that has a length 24 ft., a width of 12 ft., and a height 4 ft.?
6. What is the volume of a rectangular prism that has a length 14 ft., a width of 10 ft., and a height 3 ft.?

Wednesday

Each small cube = 1 cubic centimeter or 1 cm³.

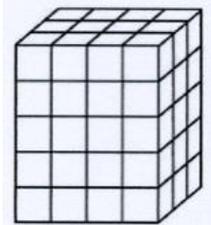
1. How many layers are in this rectangular prism?
2. How many cubic centimeters are in each layer?
3. What is the volume of this box? (don't forget your units)



4. How many layers are in this rectangular prism?
5. How many cubic centimeters are in each layer?
6. What is the volume of this box? (don't forget your units)



7. How many layers are in this rectangular prism?
8. How many cubic centimeters are in each layer?
9. What is the volume of this box? (don't forget your units)



Extra Credit

(5 points each)

1. In an Olympic event, the winner of a triathlon swam for 1 hour 42 minutes, then biked for 6 hours 59 minutes, then ran for 6 hours 13 minutes. If he started at 7, what time did he finish?
2. Solve the puzzle below.

$$\text{Game Controller} + \text{Nintendo Switch} = 18$$

$$\text{Game Controller} \times \text{Game Controller} + \text{Game Controller} = 88$$

$$\text{Nintendo Switch} \times \text{Nintendo Switch} = 121$$

$$\text{Nintendo Switch} \times \text{Game Controller} + \text{Game Controller} = ?$$