

Monday, November 18

Warm-up: Match the inequalities below to the sentence that it represents. We will use the number lines together.

$$X + 10 > 14$$

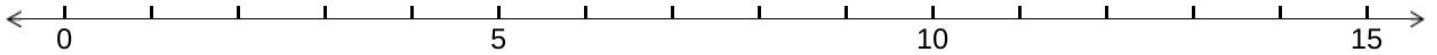
$$4 + X < 10$$

$$X - 4 > 10$$

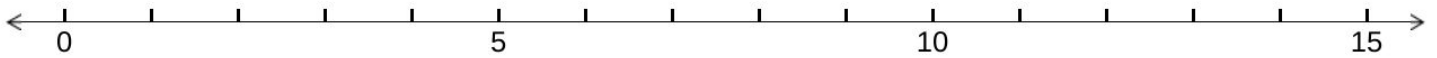
$$X - 4 \geq 10$$

$$4X \leq 10$$

- The difference between X and 4 is greater than 10. _____



- X multiplied by 4 is less than or equal to 10. _____



- 10 more than X is greater than 14. _____



- X reduced by 4 is at least 10. _____

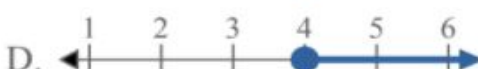


- A total of four and X is less than 10. _____



In Class: Inequalities Handouts & IXL AA1-5

Homework: Write an inequality for each graph, ABCD. Then explain when an open circle is needed and when a closed circle is needed for graphing inequalities.



Tuesday, November 19

Warm-up: Write an inequality that helps to answer the question. Then give at least 3 specific number solutions to the inequality. Finally, on a number line, represent ALL possible solutions.

A gas station sign says regular unleaded gasoline costs \$4 per gallon. How much gas can Mike buy if he has \$20 in his pocket?

In Class: Inequalities Handouts & IXL AA1-5

Homework: Write an inequality for the given situations below. Then write 3 numbers that would make the situation true.

The temperature was less than 32° Fahrenheit.

Inequality: _____ Numbers: _____, _____, _____

The school track team must have at least 10 runners to compete at the meet.

Inequality: _____ Numbers: _____, _____, _____

An elevator can carry no more than 15 people.

Inequality: _____ Numbers: _____, _____, _____

Which statement can be modeled by $x + 3 \leq 12$?

- A. Sam has 3 bottles of water. Together, Sam and Dave have at most 12 bottles of water.
- B. Jennie sold 3 cookbooks. To earn a prize, Jennie must sell at least 12 cookbooks.
- C. Peter has 2 baseball hats. Peter and his brothers have fewer than 12 baseball hats.
- D. Kathy swam 3 laps in the pool this week. She must swim more than 12 laps.

Wednesday, November 20 - Early Release Day

Warm-up: A band wants to create a CD of their last concert. To create the CDs, the cost will be \$350 advertisement fee plus \$3 per CD. Write an inequality that represents how many CDs they can buy with a maximum of \$1225. Solve the inequality.

In Class: Inequalities Handouts & IXL AA1-5

Homework: Natasha wants to treat her friends to the movies. The movie tickets cost \$11 each and she also wants to spend \$21 worth of popcorn and candy for her friends to share. She can spend no more than \$131. Write an inequality to represent how many people she can treat to the movies. Solve the inequality.

Thursday, November 21

Warm-up: Graph each inequality:

$$11 \geq N$$



$$V \leq 1.5$$



$$-3 > V$$



In Class: Inequality Quiz

Homework: Simplify the following expressions

$$40 - 33 + 5(3 + 4)$$

$$7(2t - 4)$$

$$r(r-2)$$

Friday, November 22

Warm-up: NO CALCULATOR! Use the prime factorization for the number 300 to find ALL the factor pairs.

$$2 \times 2 \times 3 \times 5 \times 5$$

In Class: [Nets & Painted Cubes Explorations](#)

Homework: Be a Kid!

Monday, November 25

Warm-up:

In Class: [Volume](#) ([Volume interactive](#)) & [Surface Area Explorations](#)

Homework:

Tuesday, November 26

Warm-up:

In Class: [Volume & Surface Area Explorations](#)

Homework: Be a kid! Enjoy your Thanksgiving break with family and friends. No school Wednesday, Nov 27- Sunday Dec 1!

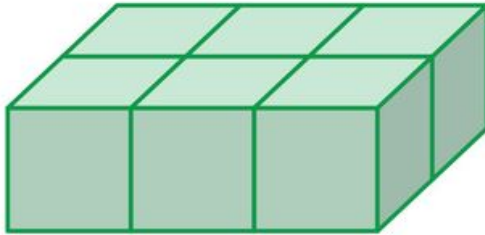
[Video: Using Surface Area to find Nets](#)

[Video: Using Nets to find Surface Area](#)

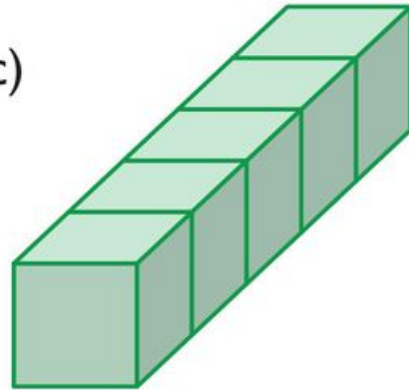
[Drawing Nets](#)

[Volume & Surface Area Skill sheet](#)

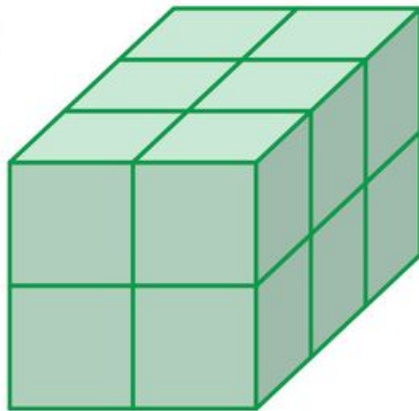
a)



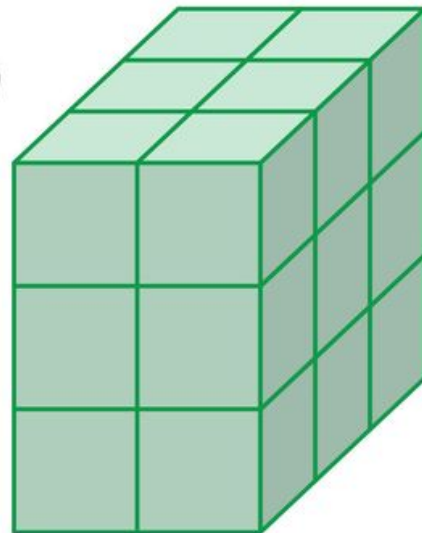
c)



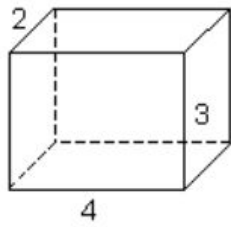
b)



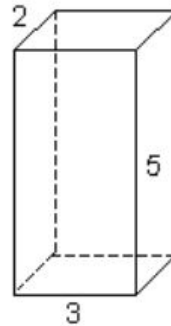
d)



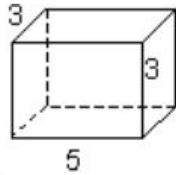
Calculate the volumes for each of the objects below. The measurements are all in centimeters (cm)



volume = cm³



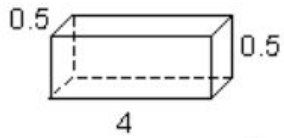
volume = cm³



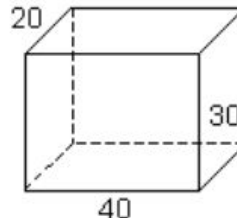
volume = cm³



volume = cm³

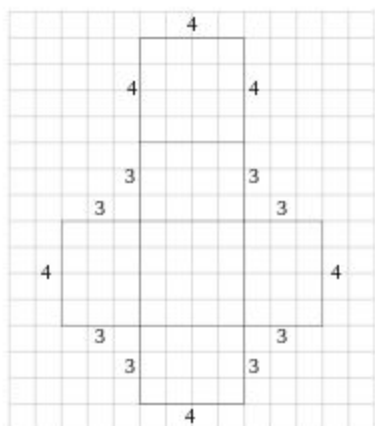


volume = cm³



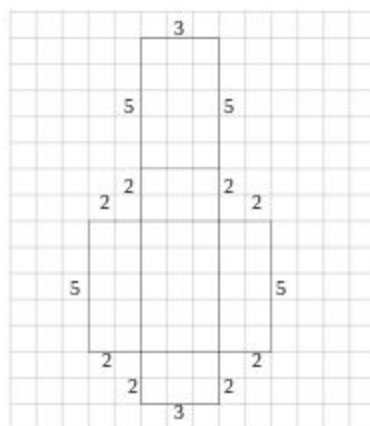
volume = cm³

Rectangular Prism



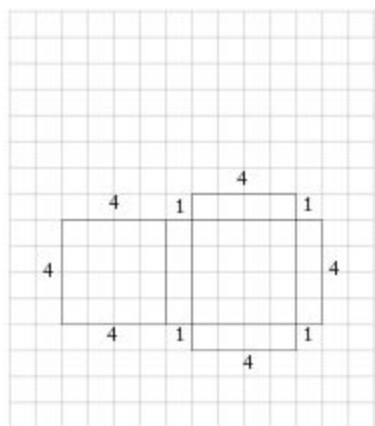
Surface area =

Rectangular Prism



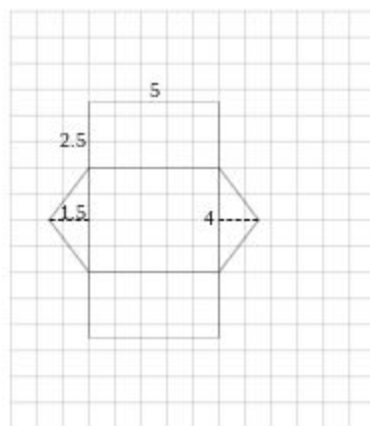
Surface area =

Rectangular Prism



Surface area =

Triangular Prism



Surface area =

Figure 1

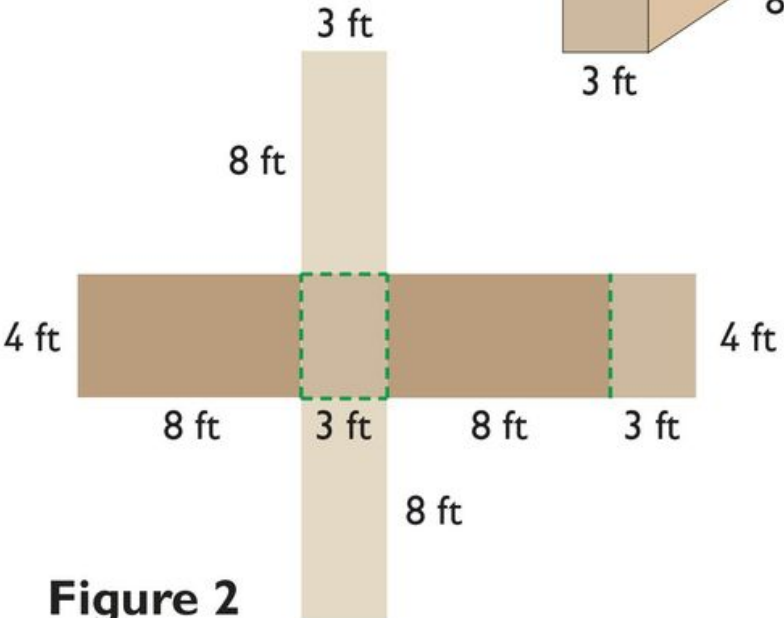
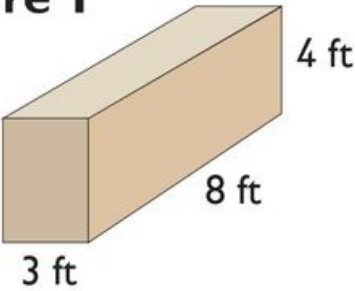


Figure 2

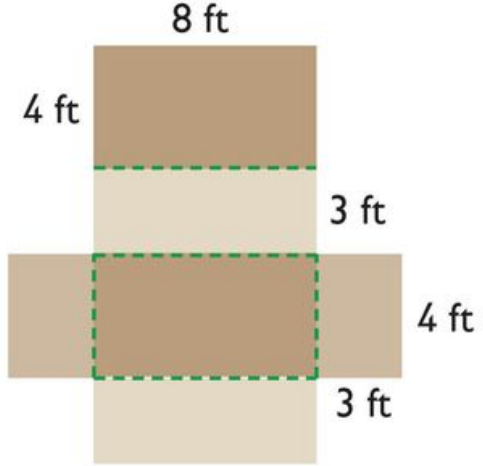


Figure 3