

Name _____ Period _____

Directions: Show your work for each question. Turn this in on Wednesday, March 11th to receive extra points towards your test grade. You will not receive points if you do not show your work.

Find the area, surface area, and volume using the following formulas

Area

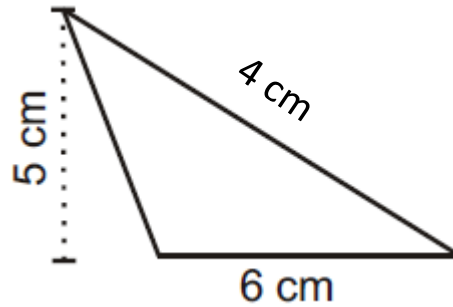
Rectangle $A = bh$ or $A = lw$

Triangle $A = \frac{1}{2}bh$

Volume

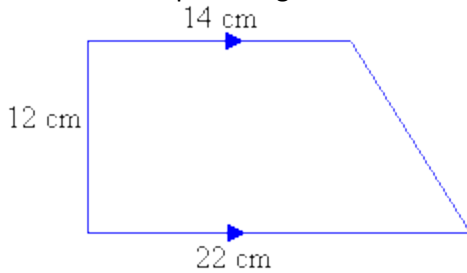
Rectangular Prism Volume = (area of base) \times (height) or $V = lwh$

Find the area



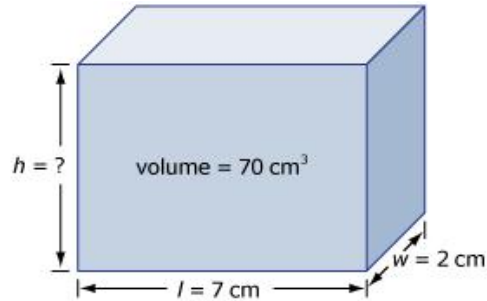
Area = _____

Area of a Composite Figure



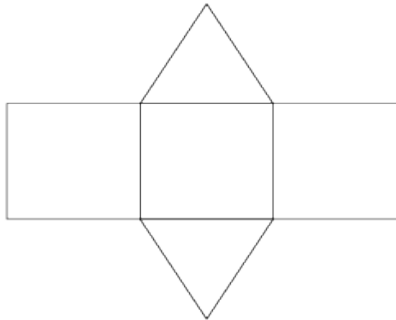
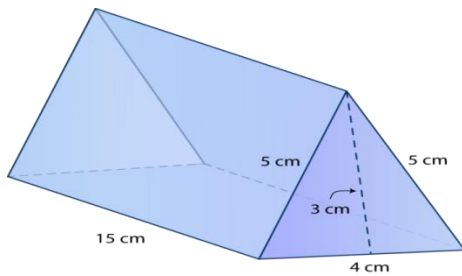
Area = _____

Find the height with the given volume



h = _____

Find the surface area. Use the net if needed.



Surface area = _____

Find the surface area



Hint: Draw the net to help.

Area = _____

Judy painted her toy block as shown below. The height is 1.5 inches, the width is 4 inches, and length is 5 inches. When she finished painting all **6 surfaces**, how many square inches did she paint?

Find the surface area

Surface area = _____

Measures of Central Tendency

↓ ↓ ↓ ↓ ↓
2, 2, 3, 5, 8

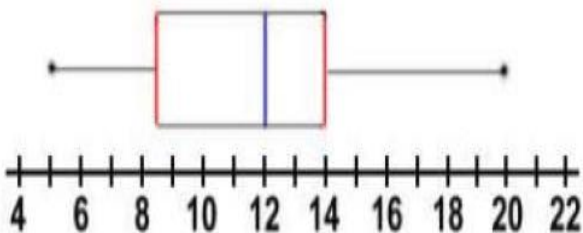
Mean - average $\frac{2+2+3+5+8}{5} = \frac{20}{5} = 4$

Median - middle

Mode - most

Find the mean, median, mode, and range

32, 48, 30, 25, 30



$IQR = Q3 - Q1$

Identify the following in the box and whisker plot

Minimum _____ Maximum _____

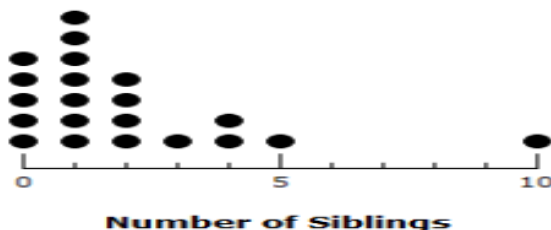
Median _____ Q1 _____ Q3 _____

Range _____ IQR _____

Which of the following is a statistical question? Explain your reasoning.

- a. How tall is the governor of our state?
- b. How many foreign countries have you visited?
- c. What is the temperature right now?
- d. What are the colors of the U.S. flag?

Classmates' Siblings



Circle one answer.

This graph is skewed to the LEFT or RIGHT.
The outlier is 0, 5, or 10.