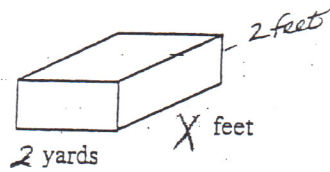
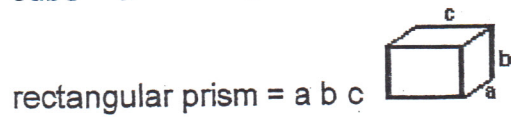
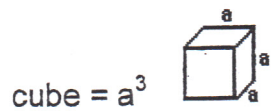


January 23, 2013
Math Bowl - Volume

1. If the volume of the box is 96ft^3 , what is X in feet?



Volume is the amount of 3-dimensional space something takes up.
Volume is measured in cubic units like in^3 or cm^3 .



Name: _____

Assignments:

Go to the following website and use the information to help you solve the following problems:

<http://regentsprep.org/Regents/Math/solid/Solids.htm>

1. Find the volume of a square with the following dimensions:

Length = 5 inches

Width = 4 inches

Height = 3 inches

Answer: _____

2. Find the volume of a cylinder with the following dimensions:

Radius = 13 cm

Height = 28 cm

Answer: _____

3. Find the volume of a box with the following dimensions:

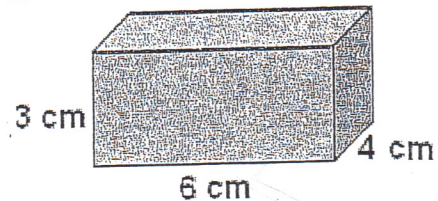
length = 3 feet

width = 1 foot

height = $1\frac{1}{3}$ yd.

Answer: _____

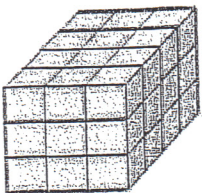
5. Find the volume of the figure shown below.



- A. 24 cm^3 B. 72 cm^3
 C. 13 cm^3 D. 81 cm^3

Question 4

Find the volume of the figure shown below.



- A. 36 cubic units B. 9 cubic units
 C. 12 cubic units D. 24 cubic units

Question 6

What is the volume of a cube that has an edge of 5 feet?

- A. 15 cubic feet B. 150 cubic feet
 C. 125 cubic feet D. 25 cubic feet

Score:

Green Bay West High Elementary Math Bowl
May 12, 2011

Name: _____ School: _____

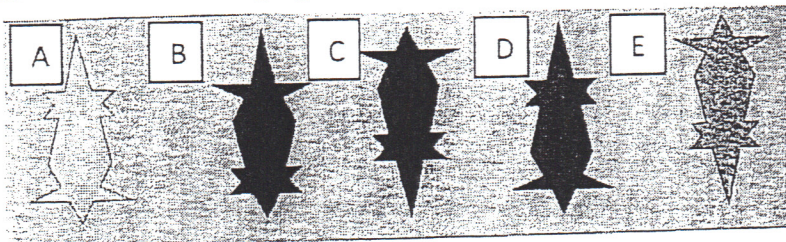
Team Number: _____

Event 3: Random Hat

1. There are 13 apples in a basket, you pick up 8 of them, but as you are walking you drop 3 apples. How many apples are **not** in your arms?

Answer: _____

2. Which of the following figures does not belong?



Answer: _____

3. If you are given 8 pancakes and eat $\frac{1}{4}$ of them and become full. You then give away $\frac{1}{2}$ of the remaining pancakes. How many do you have left?

Answer: _____

4. For every birthday you have had, you have blown out the same number of candles as your age. You have blown out a total of 120 candles so far. How old are you?

Answer: _____

1/23/13

5. Write answers in lowest terms as a simple fraction.

a. $\frac{4}{7} + \frac{1}{14} - (.8) + \frac{3}{10}$

b. $\frac{1}{3} + \frac{5}{12} - (.5) + \frac{8}{10}$

6. Simplify

a. $\left(\frac{1}{4} + \frac{3}{8}\right) \times \frac{1}{3} \div \frac{3}{12}$

b. $4 - \frac{2}{3} + \frac{11}{6} + 3.5 - 1\frac{2}{3}$