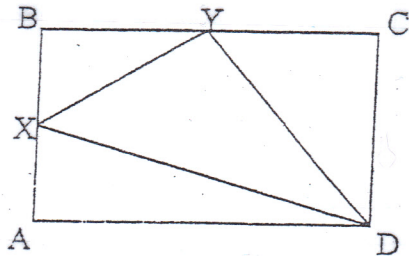
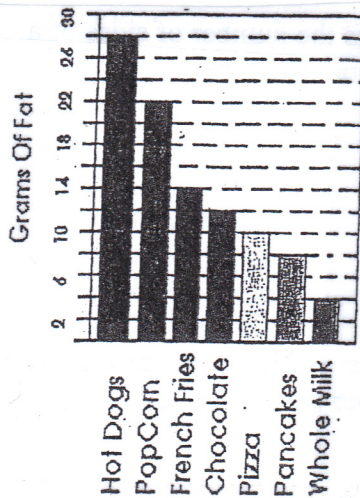


Math Bowl  
April 24, 2013

1. If  $x$  is a midpoint of  $BA$ , and  $y$  is the midpoint of  $BC$ , what is the area of  $\triangle XYD$ ?  
Side  $BA$  equals 10 inches and side  $AD$  equals 12 inches.



2. If you have a hot dog, french fries and a glass of whole milk for dinner, how many total grams of fat did you eat?



3. Use  $<$ ,  $>$ , or  $=$

$$\frac{3}{5} \text{ of } \frac{1}{8} \text{ of } 1362 \quad \underline{\hspace{1cm}} \quad \frac{4}{9} \text{ of } \frac{2}{3} \text{ of } 1628$$

4. How many sides on a pentagon? \_\_\_\_\_  
octagon \_\_\_\_\_  
heptagon \_\_\_\_\_  
parallelogram \_\_\_\_\_
- How many angles on a hexagon? \_\_\_\_\_  
square \_\_\_\_\_

What are the number of sides of a pentagon plus the number of sides of a heptagon plus the number of angles of a hexagon equal to?

5. I am a three digit number. The sum of my digits is 21. My tens digit is 9. My ones digit is  $\frac{1}{2}$  my hundreds digit. What number am I?
6. James races cars for a living. If he wins  $\frac{3}{5}$  of the races he attends, and he attends  $\frac{3}{4}$  of them, what number does he win of the total 40 races?

Score:

Green Bay West High Elementary Math Bowl  
May 12, 2011

Name: \_\_\_\_\_ School: \_\_\_\_\_

Team Number: \_\_\_\_\_

**Event 1: Arithmetic**

1. Simplify:  $4 \cdot \frac{1}{2} \div \frac{1}{2}$

Answer: \_\_\_\_\_

2. Aaron Rodgers runs for 52, 41, 47, and 56 yards in 4 games. How many yards does he average per game?

Answer: \_\_\_\_\_

3. Simplify:  $0.3 + 0.02 - 0.001$

Answer: \_\_\_\_\_

4. Dora and Boots need to get to Majestic Mountain, which is 10 miles away. They travel at a speed of 4 miles per hour. How many minutes will it take them to get there?  
(Time = distance  $\div$  speed)

Answer: \_\_\_\_\_

Score: \_\_\_\_\_

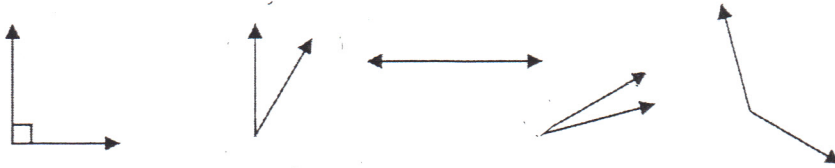
Green Bay West High Elementary Math Bowl  
May 12, 2011

Name: \_\_\_\_\_ School: \_\_\_\_\_

Team Number: \_\_\_\_\_

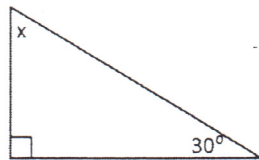
**Event 2: Geometry**

1. How many acute angles are shown?



Answer: \_\_\_\_\_

2. What is the measure of angle x?



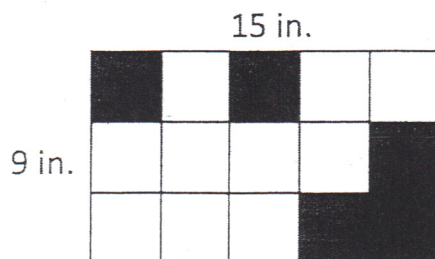
Answer: \_\_\_\_\_

3. How many lines of symmetry does this shape have?



Answer: \_\_\_\_\_

4. You have a pan of brownies. Each individual brownie has the same area. Your little brother ate the brownies in the shaded region. Find the area of the remaining brownies.



Answer: \_\_\_\_\_