

Score: _____

Green Bay West High Elementary Math Bowl
May 12, 2011

Name: _____ School: _____

Team Number: _____

Event 4: Problem Solving

1. Alexis passes her Grandmother's house on the way to school. Alexis lives 6 blocks from her Grandmother's house and 14 blocks from school. Billy lives half way between Grandmother's house and the school. How far does Billy live from school?

Answer: _____

2. You buy a dozen donuts and 5 muffins for a total of \$12.25. If each donut costs \$.75, how much does each muffin cost?

Answer: _____

3. The chart below shows the math test scores of students in Mrs. Bleeker's class. What score would Jack need to have received for the class average to be a 93%?

Student	Score
Steve	88
Pam	97
Mario	90
Elle	98
Jack	?

Answer: _____

4. Determine which student, Pete, Katie, Jaimy, Andrew, or Samuel is the tallest given the following facts:

- a) Pete is taller than Katie.
- b) Jaimy is shorter than Samuel.
- c) Andrew is taller than Pete.
- d) Jaimy and Andrew are the same height.

Answer: _____

Score:

Green Bay West High Elementary Math Bowl
May 12, 2011

Name: _____ School: _____

Team Number: _____

Team round

- 1) Kenny, Nikki, Stephen, Kyle and Eric were racing to see who could get to the treasure map first.

Kenny was $16 \div 8 \cdot 5 - 9$ yards behind Nikki.

Kyle was $\frac{12+8}{2^2}$ yards in front of Eric.

Eric was $18 - 3^2 - 7$ yards in front of Kenny.

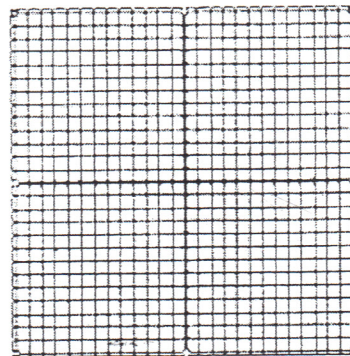
Kenny was $6 - 2(5 - 2^2)$ yards behind Stephen.

List the order in which the friends reached the treasure map.

- 2) Now the group has the map. They have located the key to the treasure chest on the map, but some pirates are trying to get to the treasure first. The key is on an island 15,000 ft away from where the group is. If they set sail for this island at 100 in/sec and the pirates travel at 300 ft/min, how many minutes will the friends have on the island before the pirates arrive?

Answer: _____

- 3) The map tells the friends to start at the origin. They must go 5 paces West, 2 paces South, 1 pace West, 6 paces South, 10 paces East, 10 paces North, 12 paces West, and 2 paces North. What is the ordered pair of the key?



Answer: _____

- 4) Now that they have the key, they read the map and find out that the treasure is buried on the ocean floor. It is located in an area that is in the shape of a rectangle. The rectangle is 3 feet longer than it is wide. The perimeter of the rectangle is 38 feet. What is the area of the rectangle where the treasure is located?

Answer: _____

- 5) The hidden treasure was located 20 leagues under the sea. If 1 league is 3 miles, 1 mile is 1760 yards, 1 yard is 3 feet, and 1 foot is 12 inches, how many inches under the sea is the treasure?

Answer: _____

- 6) The group found the treasure! Everyone receives a share of the 600 coins inside. Eric receives $\frac{2}{15}$ of the coins. Stephen receives $\frac{1}{12}$ of the coins, Kyle receives $\frac{1}{5}$ of the coins, and Nikki receives $\frac{1}{4}$ of the coins. How many coins does Kenny receive?

Answer: _____

Score:

Green Bay Elementary Math Bowl.
April 30, 2009

Student Name: _____

School Name: _____

Team: _____

Event 3: Random Hat

- 1) A farmer has 10 little haystacks. If he combines all his hay, how many large haystacks will he have?

- 2) 7 posts are placed 10 meters apart in a straight line. A fence runs from the first post to the last post. How long is the fence?

- 3) A man starts work at 9:00 a.m. and it takes him 15 minutes to get dressed, 20 minutes to eat and 35 minutes to walk to work. If he has a paper to work on and wants to get to work a quarter of an hour early, what time should he get up?

- 4) Alice the Alien has a vat of shloop that doubles in volume every minute. If she starts cooking the shloop at 12:00 and it is full at 12:24, at what time was the vat $\frac{1}{4}$ full?

- 6) Dale is a literary critic for *Rolling Stone* magazine. He uses 3 pens for every 1,500 words he writes. If Dale writes an average of 7,500 words per day for 5 days in a row, how many pens will Dale use in this five-day period?