A Precursor to the Beloved

The Daughtry Times®
Education through Integration™

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1. The Civil War began on April 12, 1861 at Fort Sumter in Charleston, South Carolina and ended in May 1965. It was the only war fought on American soil by Americans. Over three million fought, and 620,000 Americans died in the war, with disease killing twice as many as those lost in battle. 50,000 survivors return home as amputees. What were the overall survival rates, how many died, and how many remained seriously physically unharmed?

2. Jackson was convinced he had found the solution to renting DVDs. In years past, he visited Blockbuster® video three times a week, spending $4.32 per new release rental, the only thing he would view, with late fees of an additional $1.08 per day. He was always a total of five days late a month. However, he found that on www.netflix.com® he could keep up to 3 movies out at once and never pay late fees for a $21.71/month. If Jackson continues viewing DVDs at the same rate what is the better deal and why?

3. Melanie learned through watching "Remember the Titans®" 64 times, that there are precisely 5,280 feet in a mile. Inspired by the movie, she broke through the gender barriers and actively pursued her football dreams, by sprinting 40 yards, 15 times a day, and jogging 31,680 feet every other day for one month. In the month of February 2004, how many total miles will she complete in a month.

4. A college football team needs to charter a plane in order to attend their Bowl Championship Series® (BCS) game. A total of 100 coaches, players, etc. will need to make the flight from Los Angeles, CA to New York City; www.bluestarjets.com® offers a rate of $25,434.50 for every 10 passengers, while www.armchair.com ® charges a flat fee of $6,000 per hour in the air, per plane. No more than 10 passengers will fly on each plane to accommodate equipment, etc. All taxes at 7.5% have been added. www.armchair.com® is offering a $50,000 rebate if you purchase today. The trip is 2,868 miles away and the plane can fly at 500 mph, what is the cheaper flight and why?

5. To further display his love for mathematics, after utilizing these skills to make billions of dollars, Angle Nonagon Pythagoras purchased a home shaped like a trapezoid. *"Math Counts"* was more than a statement but a way of life for Angle. After having chosen the perfect shag carpet, consisting of multiplication, division, addition, and subtraction symbols he realized he must first determine the total area. The first base measured approximately 6,543 feet while the second was 12,312 feet. To be precise, he measured the height using a ruler, which was 2,794 feet. Angle danced around and shouted, "Well golly gee! This is swell! Life simply does not get any better than this!" He quickly broke out his pad and paper, because he learned from his seventh grade math teacher to **ALWAYS SHOW HIS WORK** and began to solve for area using the formula ½ H (base 1 + base 2). What were his results? At $7.28 per square foot, Angle was prepared to pay $192,000,000 for this dream project. Can he afford to? If so, by how much?