End of Year Activities

6ᵗʰ – 8ᵗʰ Grade

1. Our school has 461 students and 27 teachers. We are playing a rock-paper-scissors war (everyone has beads signifying if they are still in the game, if you lose you must give all your beads to the winner). Everyone still in must play at least 2 games every class. The principle claims the game will be done by the end of 4ᵗʰ period. Is he correct? Justify your answer.

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2. We always have an end of year balloon drop. The school has purchased 1000 ballons and 5 tanks to fill balloons. The problem is the balloon drop is in 90 minutes but will take 5 minutes to set up the net. It takes 25 seconds to fill each balloon. How many balloons will we have in the drop? Justify your answer.

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3. Graduation starts at 3:00 pm, but I must be there by 2:45 to line up. On our way to graduation, we need to pick up my grandparents. They need help to get to the car which takes 10 minutes, and the same amount of time will be needed to get them into the gym. My house is 18 miles from my grandparents, we go an average of 42 mph. My grandparents live 25 miles from the school, but we can go an average of 57 mph. What is the latest we can leave my house and make it on time? Justify your answer.

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