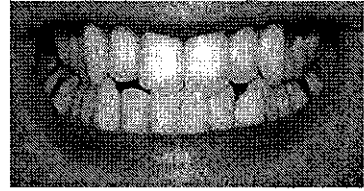
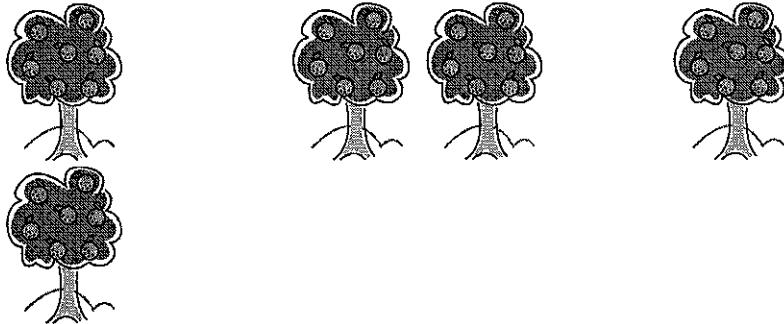


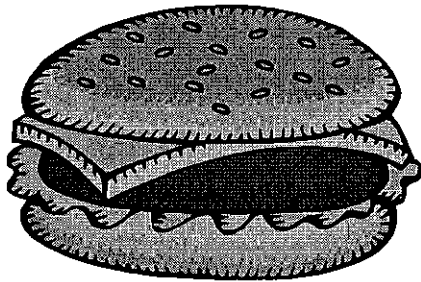
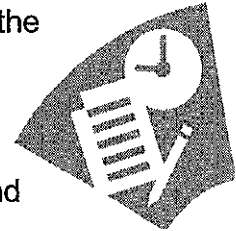
1. A patient goes to the orthodontist because his teeth are 7 millimeters off the center line to the left. After 4 months of treatment, his teeth have moved 3 millimeters to the right. What is the percent of change that has occurred in the 4 months?



2. In order for maximum growth of orange trees in a grove, the farmer must plant the trees exactly 6'3" apart to ensure the best sun exposure as well as equitable nutrient absorption. During a storm that left 6 inches of rain in 8 hours, the soil shifted and caused a tree to move within 5'10" of another tree. What is the percent of change of the trees location to the other?



3. The recommended time to take a math test is 23 minutes. You complete it in 18 minutes. What is the percent of change between your time and the recommended time?



4. Brother's Burgers claim to make the best $\frac{1}{2}$ pound burgers in all of Florida.

a. The hamburger patties are $\frac{1}{2}$ pound before they put them on the grill. When they come off the grill, they are

$\frac{1}{3}$ pound. What is the change of percent in weight?

- b. I like a lot of toppings on my Brother's Burger, and after I get done, the total weight of my hamburger, bun, and toppings is $\frac{5}{8}$ pound. What is the percent change from cooked weight to final weight?
- c. What is the percent change from pre-cooked weight to final weight?



5. Bella's lap time for the 100 meter dash was 13.87 seconds on her first trial. Her second trial time was 14.15 seconds. What was the change of percent between her first trial and her second trial?