Word Problems

1. Excavation for a pool is being done in your backyard. It measures 42F x 29F x 8F. The dirt will be taken away in the truck that holds 4.53F\(^3\). How many truckloads of dirt will be taken away?

2. A magazine ad states that 4 out of 7 doctors recommend Flash toothpaste. If 1400 doctors were surveyed, how many doctors recommended Flash toothpaste?

3. February 2, the temperature at 11 AM was 5°F. At 10 PM, it had dropped to 3°F. To find the number of degrees the temperature dropped, which equation could you use? Let \( x \) be the number of degrees the temperature changed.

4. Write an equation for the following situation. Four times the number of coins in my pocket plus 5 more is 29.

5. What is the best buy for the following advertised sale on pop? a.) 8 cans for $4.88  b.) 10 cans for $5.80  c.) 3 cans for $1.68  or  d.) 12 cans for $7.20?

6. A 7 feet long ladder is leaning against the building. The foot of the ladder is 2 feet from the base of the building. How far up the wall is the top of the ladder?