

Name \_\_\_\_\_

### Word Problems

1. Excavation for a pool is being done in your backyard. It measures  $42\text{F} \times 29\text{F} \times 8\text{F}$ . The dirt will be taken away in the truck that holds  $4.53\text{F}^3$ . How many truckloads of dirt will be taken away? Answer—2166 loads.  

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? Answer: 800
3. February 2, the temperature at 11 AM was  $5^{\circ}\text{F}$ . At 10 PM, it had dropped to  $3^{\circ}\text{F}$ . To find the number of degrees the temperature dropped, which equation could you use? Let  $x$  be the number of degrees the temperature changed. Answer:  $5 + x = 3$
4. Write an equation for the following situation. Four times the number of coins in my pocket plus 5 more is 29. Answer:  $4n + 5 = 29$
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? Answer is C—3 cans for \$1.68
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? Answer: 6.7 Feet