



**Do as Directed:**

1. If 50% of a number is 20, what is 75% of the number?
2. One morning, the temperature was  $5^{\circ}$  below zero. By noon, the temperature rose  $20^{\circ}$  Fahrenheit (F) and then dropped  $8^{\circ}$ F by evening. What was the evening temperature?
3. The product of two numbers is 4107. If the H.C.F. of these numbers is 37, then the greater number is \_\_\_\_\_
4.  $16.7 + 12.38 - \underline{\hspace{2cm}} = 10.09$
5. On dividing 8000 by a certain whole number, the quotient is 65 and the remainder is 5. Find the whole number.
6. The height of the slippery pole is 20m and insect is trying to climb the pole. The insect climbs pole in 5m in one minute and then slips down 4m. In how much time will the insect reach the top?
7. A boy saves \$ 4.65 daily. Find the least number of days he will be able to save exact number of dollars.
8. Find the time taken by a sum to double itself at 12.5% per annum.
9. Ana was born when her mother was 27 years old. The sum of their present ages is 63. Find the present age of Ana.
10. In a bulb factory, on checking 100 bulbs randomly, 80 of the bulbs were found to be working. What is the probability that a bulb selected at random will work? If there are 500 bulbs in a pack, predict how many bulbs will not work?  
a)  $\frac{4}{5}$ , 100                      b)  $\frac{4}{5}$ , 400                      c)  $\frac{1}{5}$ , 100                      d)  $\frac{1}{5}$ , 400