**Sat Word Problems – Fundamentals**

Word Translation

is

of

%, percent

x minus y

x less than y

x fewer than

product of x and y

a number

Ex 1) Five less than a number is equal to half the number. What is the number?

Ex 2) If $\frac{2}{3}$ of g is 36, what is $\frac{12}{9}$ of g?

Ex 3) Four more than three times a number is equal to the number squared. If the number is positive, what is it?

Ex 4) 15% of 120 is equal to y. What is y% of 50?

Ex 5) The square of the sum of x and y equals three-fourths the square root of 6x. This express is equal to:

1. (x + y)2 = $\frac{3}{4}\sqrt{6x}$
2. $\sqrt{x+y}= \sqrt{\frac{3}{4} 6x} $
3. x + y = $\frac{3}{4}\sqrt{6x}$
4. x2 + y2 = $\frac{3}{4}\sqrt{6x}$