Translate to an algebraic expression.

1) 46 more than t

2) 19 less than d

3) x subtracted from q



4) The sum of s and d 5 + d

5) A number plus 8 times another number

6) 43% of a number

Pick a variable, explain what the variable represents, and translate each problem to an expression or an equation. Do not solve.

7) 93 minus what number is 48?

$$X = Number$$

 $X - 93 = 48$

One less than twice a number is five.

= 21+2W

$$X = number$$
 $2x - l = 5$

8) Two more than a number is five.

10) When 16 is multiplied by a number, the result is 128. Find the number.

Pick a variable, explain what the variable represents, and translate each problem to an expression or an equation. Do not solve.

1. When 20 is subtracted from 3 times a certain number, the result is 43. What is the number?

X=number

3x - 20 = 43

2. The perimeter of a rectangular athletic field is 104 m

and the length is 16 m more than the width. Find the length and the width.

3. An appliance store decreases the price of a 19-in. television set 22% to a sale price of \$505.44.

What was the original price? X= original price Discount = original - discount -

4. Money is borrowed at 13% simple interest. After one year, \$1007.96 pays off the loan.

How much was originally borrowed?

1007,96 TOTAL X = loen amant Total = loca + interest

5. The sum of three consecutive odd integers is 183. What are the integers?

ST number = X

2nd number = x+2

3rd number = X+4