$\qquad$ , $\qquad$
Names $\qquad$ , $\qquad$
Translate to an algebraic expression.

1) 46 more than $t$
2) The sum of $s$ and d
3) 19 less than $d$
4) A number plus 8 times another number
5) $x$ subtracted from $q$
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 ?
9) One less than twice a number is five.
8) Two more than a number is five.
10) When 16 is multiplied by a number, the result is 128 . Find the number.
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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?
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 $19-\mathrm{in}$. television set $22 \%$ to a sale price of $\$ 505.44$. What was the original price?
4. Money is borrowed at $13 \%$ simple interest. After one year, $\$ 1007.96$ pays off the loan. How much was originally borrowed?
5. The sum of three consecutive odd integers is 183. What are the integers?

