

## Family Expressions

Symbol	Meaning	Numerical Value
<b>m</b>	Number of men in a family	1 man in a family
<b>w</b>	Number of women in a family	2 women in a family
<b>c</b>	Number of children in a family	3 children in a family
<b>t</b>	Number of cats per family	2 cats per family
<b>d</b>	Number of dogs per family	1 dog per family
<b>n</b>	Number of families in the neighborhood	8 families in the neighborhood
<b>r</b>	Number of cars in a family	2 cars per family
<b>g</b>	Number of gallons of gas a car uses in a day	4 gallons per day
<b>p</b>	Price of one gallon of gasoline	\$1.23 per gallon
<b>a</b>	Amount of water an adult drinks in a day	64 ounces
<b>h</b>	Amount of water a child drinks in a day	38 ounces

The table above assigns variables for certain quantities. For example,  $M$  stands for the number of men in a family. A value for each variable is given. Treat this value as a constant for all cases.

Use the given symbols to write algebraic expressions that make sense. Some expressions you make will have no meaning. For example,  $P + G$  indicates that the number of pets and the price of one gallon of gas should be added, but the answer is not meaningful.