

## Discrete and Continuous Data Sets

Gasoline costs \$2.50 per gallon. The total cost of the gas depends on the number of gallons pumped. Complete the table below.

*continuous function*

Gallons of gas, $g$	Cost in Dollars, $c$
0	0
2	5
4	10
6	15
8	20
10	25
12	30

$$c = 2.5g$$

$$g \geq 0$$

Does the table represent a continuous or discrete function? Write an equation that models the situation. Then graph the equation.

