

Pizza Problem

Name: _____ Block: _____

Situation: At Anthony's Pizza Palace, the base price of a cheese pizza is \$10.00. Each additional topping is \$0.50.

- 1) Create an equation that represents the cost (C) after ordering (t) additional toppings. You can use the table to help you find the pattern that relates the variables.

Toppings (t)					
Cost (C)					

- 2) Identify the dependent and independent variables.

Dependent: _____ Independent: _____

- 3) Find the cost of a pizza with 4 additional toppings.

- 4) Find the cost of a pizza with 2 additional toppings.

- 5) If Kingston can only spend \$12.75 on a pizza, how many toppings can he order? Show how you know.