

Comparing Two Linear Functions using Tables and Algebraic Equations

The tables show two functions relating the total cost, y cents, and the weight of potatoes purchased, x pounds, at Shop A and Shop B.

Function 1- Analyze Table to find Rate of Change

Shop A

Weight of Potatoes (x pounds)	1	2	3	4
Total Cost (y cents)	60	120	180	240

Function 2- Analyze Table to find Rate of Change

Shop B

Weight of Potatoes (x pounds)	1	2	3	4
Total Cost (y cents)	50	100	150	200

a) Use a verbal description to compare the two functions.

b) Write an algebraic equation to represent each function.