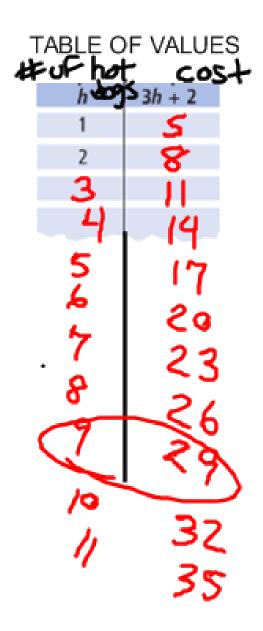
At the country fair, Mischa sells hot dogs for \$3 each, and drinks for \$2 each. A meal consists of hot dogs and one drink.



How can you use the table of values to find:

- the cost of a meal when a person orders 9 hot dogs?
- the number of hot dogs ordered when a meal costs \$35?

When you make a table of values theres always two lists

One of the lists is INDEPENDENT and the other list is DEPENDENT

INDEPENDENT: time is always independent, its the thing

⊌ it happens first

that happens on its own

DEPENDENT: depends on the other thing

(have to know something else)

Example

A tree grows 20 cm every year, so the height of the tree is related to its age

h=20a

H is dependent

A is independent

THE HEIGHT OF THE TREE DEPENDS ON HOW OLD IT IS

Table of Value Coordinates Graph

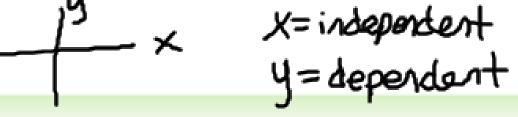
Practice Worksheets

For graphing independent always goes on x which is flat across and dependent always

goes on y which is up/down

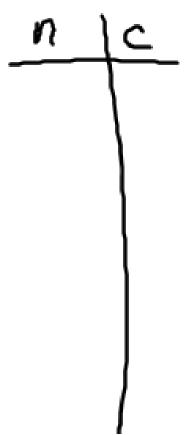
Pg 353

Example 1



Saskatoon Pizza charges \$11 for a medium cheese pizza, plus \$2 for each topping. An equation for this relation is c = 11 + 2n, where n represents the number of toppings and c represents the cost of the pizza in dollars.

Table of Values



Use the equation to find the cost of a pizza with 5 toppings. Check the answer.

Use the equation to find how many toppings are on a pizza that costs \$27.

TABLE OF VALUES CAN ALSO BE WRITTEN AS ORDERED PAIRS (x,y) is always the order or (independent, dependent)

Example 2

The equation of a linear relation is: y = -5x - 3Some ordered pairs in the relation are:

$$(0, -3), (1, -8), (2, -13), (3,), (4, -23), (, -28)$$

Find the missing numbers in the ordered pairs.

Coordinates

EX. 1 4 -> (1,4)

2 3 12 -> (2,8)

3 (3,15)