

LESSON DIGITS 6-1

Intro to Functions

Goal: I will be able to graph/build a function

Tool Bag
Formulas, equations,
Vocabulary, etc

Here's How... Notes & Examples

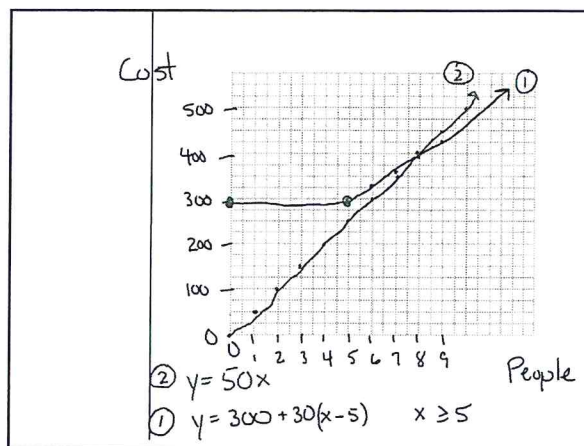
Example Great America offers 2 options.

① A flat fee of \$300 for the first 5 people, then \$30 per person over 5.

② \$50 per person

people	cost
0-5	300
6	330
7	360

people	cost
0	0
1	50
2	100
3	150



What if you spend \$690, how many people were there?

first 5 → 300
next 10 → 300
next 3 → 90

18 → 690 so 18 people

$$\text{Cost} = 300 + 30(p-5)$$

$$690 = 300 + 30p - 30(5)$$

$$690 = 150 + 30p$$

$$690 - 150 = 150 - 150 + 30p$$

$$540 = 30p$$

$$\frac{540}{30} = \frac{30p}{30}$$

$$18 = p$$