

Relate an expression and information in a table

1. The cost of riding on the bumper cars at a show is determined according to the rule $C = 4 + t$, where C = cost in dollars and t = time in minutes

Use this rule to complete the table below.

time (mins)	1	2	3	4	5
cost (\$)					

2. The table below shows how the number of chairs changes as more tables are joined together.

table	1	2	3	4	5
chairs	6	10	14	18	

- a. Complete the last entry in the table.
- b. Which of the following rules gives the correct number of chairs?
- i. chairs = tables + 5 ii. chairs = 4 x tables + 2
- ii. chairs = 6 x tables iv. chairs = 3 x tables + 3
3. The value, V , of land in an suburb is approximately $V = 1000x + 6000$ where x is the area in square metres and V is the value of the land in dollars.

Area (m^2)	100	200	300	400	500
Value (\$)	106 000				

- a. Complete the table.
- b. By how much does V increase when the size of the block increases by $1 m^2$?

Pointers:

1. When a number is placed next to a letter it means to multiply. For example, $1000x$ means 1000 times x . The letter x is called a variable because it can take many values.