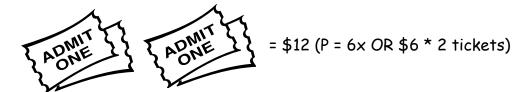# Proportional Relationships Word Problems

The cost of movie tickets can be determined by the equation T = $6x, where T is the price and x is the number of tickets. What is the constant of proportionality (or the unit rate)?

The constant of proportionality is the cost of each ticket. Regardless of how many tickets you buy (x), the individual ticket price stays the same.

= $12 (P = 6x OR $6 * 2 tickets)

= $18 (P = 6x OR $6 * 3 tickets)

The Constant of Proportionality is $6