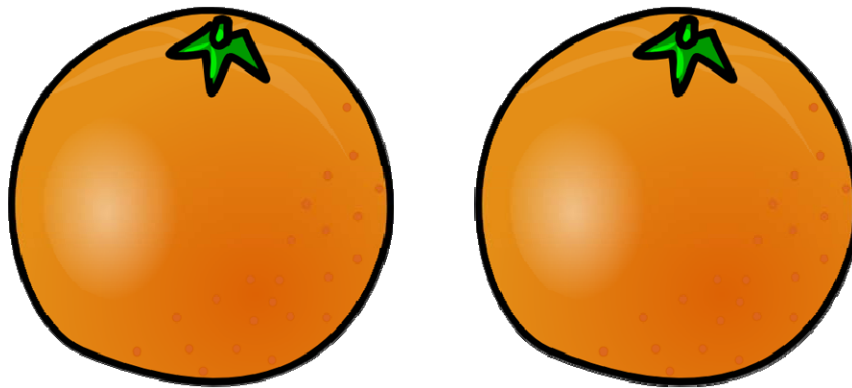## Proportional Relationships Word Problems - Step-by-Step Lesson

Lesson 1 Proportional Relationship:

a) The price of oranges at the store can be determined by the equation:

P = $0.35n , where P is the price and n is the number of pounds of oranges.

What is the constant of proportionality (unit rate)?

Explanation:

Step 1) Proportional quantities have a constant ratio and can be described by the equation $y = kx$, where k is a constant ratio. The constant of proportionality is the coefficient of x or the independent variable.

Step 2) We have the constant of proportionality as

p = .35n

We can conclude that .35 is the coefficient of variable 'n'.