

This book has permission to use the "N&K method of COLORS".

6) **Question:** A veterinarian uses the equation $o=5w+7$

to estimate a dachshund's weight in ounces between the ages 4 weeks to 26 weeks.

Approximately how much weekly weight gain in ounces do dachshund's show from age 4 weeks to 26 weeks. *nw,nc*

- A) 5
- B) 7
- C) 26
- D) 52

For speed, while solving something similar, only **THINK** the words in blue; **WRITE** only the words in other **COLORS**.

Given: 1) A veterinarian uses the equation above,

$$o=5w+7$$

to estimate a dachshund's weight in ounces between the ages 4 weeks to 26 weeks.

Solve: Approximately how much weekly weight gain in ounces do dachshund's show from age 4 weeks to 26 weeks.

Road Map of Solution:

First Step:

Second Step: Find amount charged on credit card in terms of Sale Price.

Third Step: Find amount charged on credit card in terms of Original Price.

Fourth Step: Rewrite the equation created for 3rd step to show the original price of the dress in terms of "d".

First Step: Find Sale Price in terms of Original Price.

A dachshund's weight in ounces at the "w" weeks mark = $(5w + 7)$ ounces

The 7 on the RHS tells us that at birth a dachshund's weight in ounces is = 7 ounces.

The 5 on the RHS tells us that for every week of its life, from when it is 4 weeks old to when it is 26 weeks old, it gains 5 ounces.

i.e., from when it is 4 weeks old to when it is 26 weeks old, the weekly weight gain is 5 ounces.