**Working the Problem - Feed Consumption**

Using equations

 Let *x =* number of days

 Let W = weight gain

 Let F = feed

a. W = 2.4*x*

b. F = 21.5*x*

c. Using substitution, solve for *x* and for F

W = 2.4*x*

50 = 2.4*x*

20.8 = *x (Answer was rounded to the nearest tenth.)*

F = 21.5*x*

F = (21.5) (20.8)

F = 447.2

**Using the Calculator:**

ENTER represents =

50 lb. ÷ 2.4 lb./per day ENTER × 21.5 lbs. of feed/per day ENTER

Answer: 447.9166667