

A citrus fruit company plans to make 13.25 lb gift boxes of oranges and grapefruits. Each box is to have a retail value of \$21.00. Each orange weighs 0.50 lb and has a retail value of \$0.75, while each grapefruit weighs 0.75 lb and has a retail value of \$1.25. How many oranges and grapefruits should be included in the box?

$x = \text{oranges}$ $y = \text{grapefruit}$

$$.5x + .75y = 13.25 ; \quad .75x + 1.25y = 21$$

$$y = \frac{-.5x + 13.25}{.75}$$

$$y = \frac{-.75x + 21}{1.25}$$

$$x = 13 \quad y = 9$$

Oct 7-7:49 AM

Assignment:

p. 142

33-39 odd,
49-52,
57-63 odd,
64 a,b

Oct 7-9:05 AM