

p. 367
34.

Classwork. Cont'd

Dec. 7

Given: Large pizzas cost \$12.50
Small pizzas cost \$9.00
Total pizzas sold 38 for \$415.50

Find: how many small + large pizzas were sold

Let x = the # of small pizzas

Then let $38 - x$ = # of large

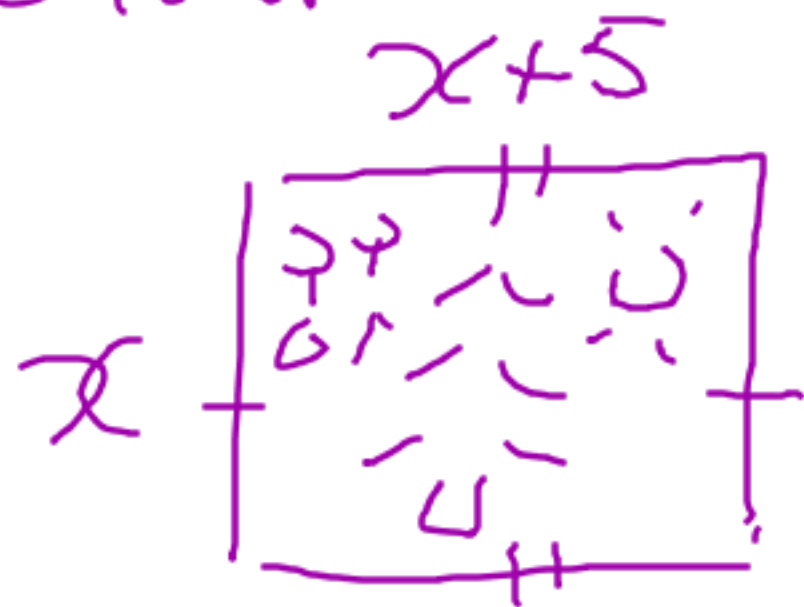
$$9.00x + 12.50(38 - x) = 415.50$$

Value

$$9.00x$$

$$12.50(38 - x)$$

37. Given



$$P = 90 \text{ cm}$$

Find: the dimensions

Let x = the width
then let $x+5$ = the length

$$P = 2w + 2L$$

$$90 = 2x + 2(x+5)$$

$$90 = 2x + 2x + 10$$

$$90 = 4x + 10$$

$$80 = 4x$$

$$x = 20$$

$\therefore$ the width is 20 cm & the length is 25 cm



width $6 + 20 + 6 = 32\text{cm}$ with the frame
length $6 + 25 + 6 = 37\text{cm}$ with the frame

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+ hand-out