



### Unit Price Estimating

**What is it?** Building a project in our mind and on paper.

**Why do it?** To find cost  
So everyone (especially the owner) knows how much they're spending

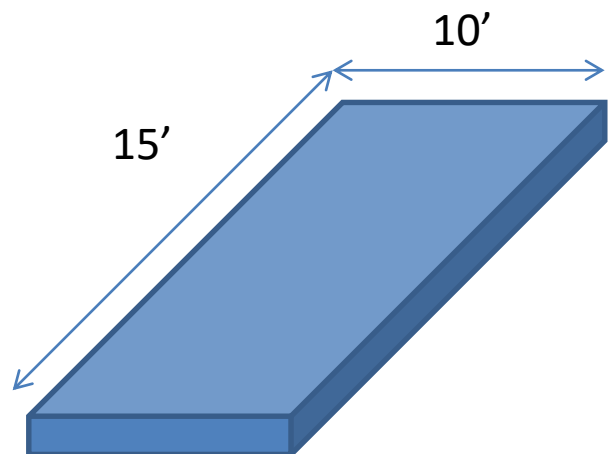
**Level of Accuracy?** Guess  
"Ballpark"  
Component  
Detailed



**Components?** Quantity (Units)  
Unit Prices  
Materials  
Labor (for information only)  
Mark-Up (for information only)

**Estimating Quantities?**

- LF (linear foot)
- EA (each)
- SF (square foot)
- SY (square yard)
- CY (cubic yards)





## Unit Price Estimating

### Estimating Quantities?

**LF (linear foot)**

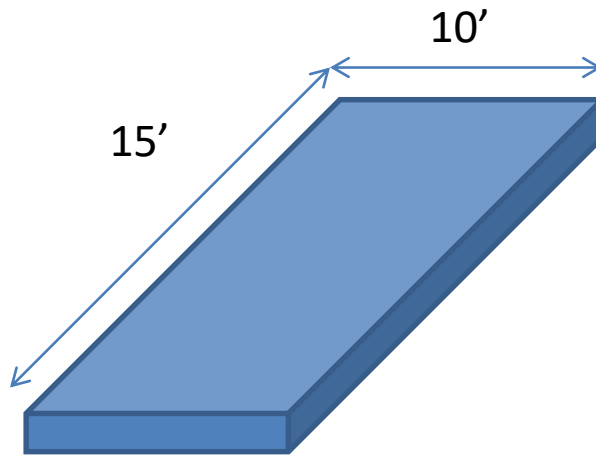
EA (each)

SF (square foot)

SY (square yard)

CY (cubic yards)

# Linear Foot



$$15' + 10' + 15' + 10' = 50'$$

**50 LF**



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- Estimating Quantities?
- LF (linear foot)
  - EA (each)**
  - SF (square foot)
  - SY (square yard)
  - CY (cubic yards)

# Each (count)

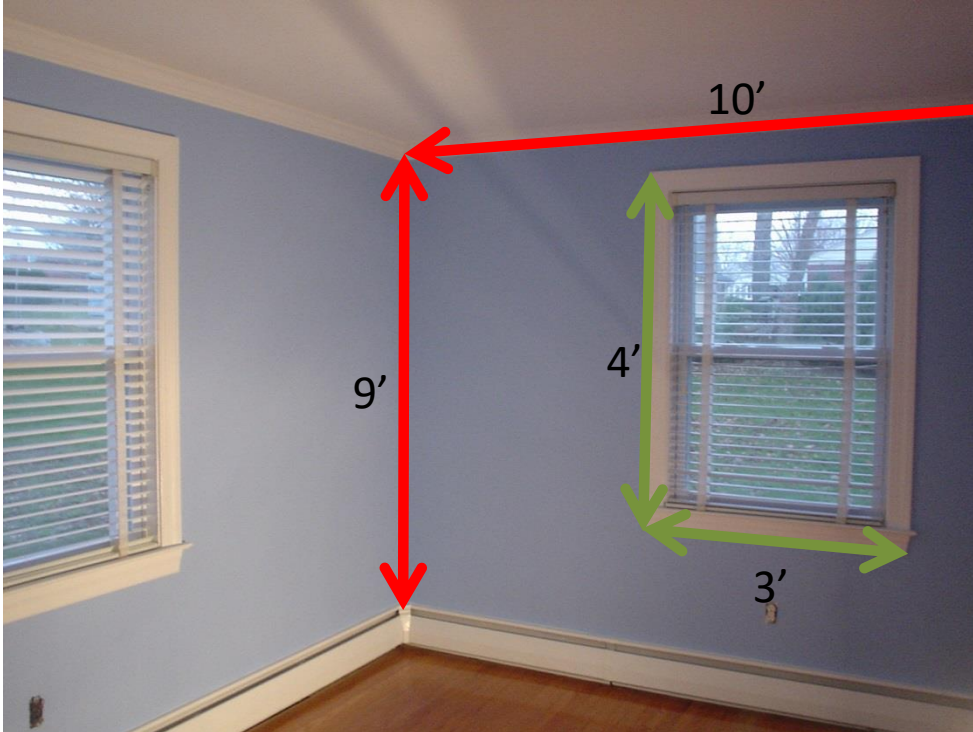




## Unit Price Estimating

- Estimating Quantities?**
- LF (linear foot)
  - EA (each)
  - SF (square foot)**
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  - CY (cubic yards)

# Square Foot



Wall  
 $9' \times 10' = 90 \text{ SF}$

Window  
 $4' \times 3' = 12 \text{ SF}$

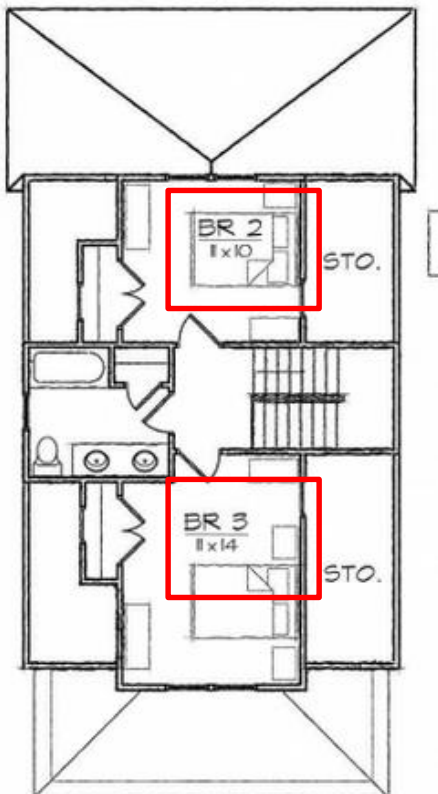
Paintable Area  
 $90 \text{ SF} - 12 \text{ SF} = 78 \text{ SF}$



## Unit Price Estimating

Estimating Quantities?      LF (linear foot)  
  EA (each)  
  SF (square foot)  
  **SY (square yard)**  
  CY (cubic yards)

# Square Yard



Bedroom 2  
 $11' \times 10' = 110 \text{ SF}$

Bedroom 3  
 $11' \times 14' = 154 \text{ SF}$

$110 \text{ SF} + 154 \text{ SF} = 264 \text{ SF}$

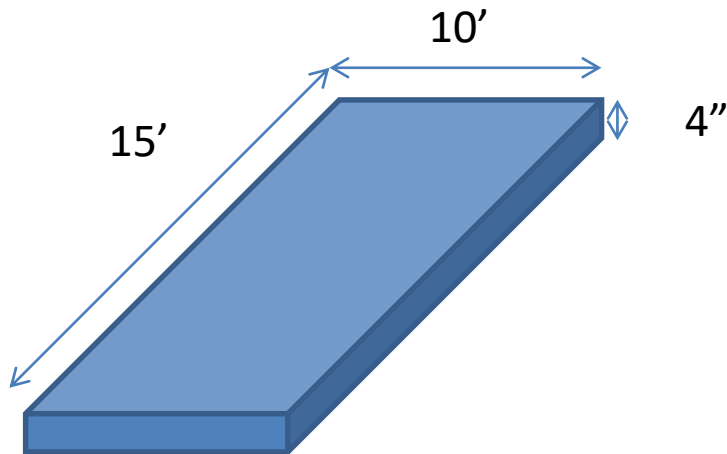
$264 \text{ SF} / 9 = 29.3 \text{ SY}$



## Unit Price Estimating

Estimating Quantities?      LF (linear foot)  
  EA (each)  
  SF (square foot)  
  SY (square yard)  
  **CY (cubic yards)**

# Cubic Yard



$$15' \times 10' \times .333' = 49.99 \text{ CF}$$

$$49.99 \text{ CF} / \mathbf{27} = 1.85 \text{ CY}$$

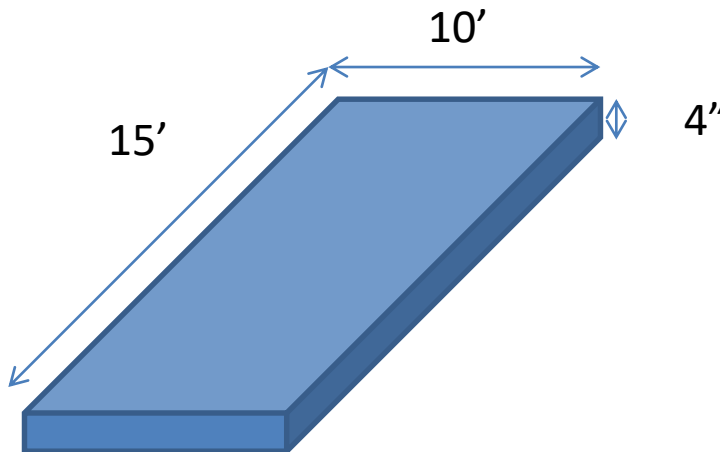


### Unit Price Estimating

# Extending Cost

For Material

- Simply multiply quantity and unit price.



$$15' \times 10' \times .333' = 49.99 \text{ CF}$$

$$49.99 \text{ CF} / 27 = 1.85 \text{ CY}$$

$$1.85 \text{ CY} \times \text{\$150.00/CY} = \text{\$277.50}$$