



BUILDING CONSTRUCTION

Flexible Instruction Day

Assignment #1

Learning Standard	Standard CC.3.5.9-10.C Standard CC.3.5.11-12.C Follow precisely a complex multistep procedure, etc
Task # & Description	Building Construction Trades 46.9999 Task List #405 Estimating Material Calculating Linear and Square Feet

CONTACT INFORMATION/ASSISTANCE

Instructor Name: Ron Sankey

Instructor E-Mail: Sankeyr@butlertec.us

I will be available by email and the Remind app from 7:40-12, and 12:30-3:10 to answer your questions. Please reach out if you are having difficulty completing your assignments.

INSTRUCTIONS

- ✓ All work is due on the day we return to school. This is counted towards your attendance **and** as a classroom assignment.
- ✓ Follow specific instructions on assignment.

Name: _____

Session: _____

_____/____ points

SNOW DAY ASSIGNMENT #1

Name _____ Date _____ Session _____

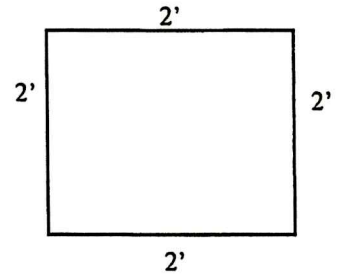
➤ **Linear Feet:** any distance or length measured in feet. The width or thickness of a material is not important, only total length.

○ Linear Feet = Perimeter

How to calculate linear feet: Add all sides given together

$$L.F. = 2' + 2' + 2' + 2'$$

$$L.F. = 8'$$



➤ **Square Footage:** the total surface area of any given space

○ Square Footage = Area

How to calculate linear feet: Multiple length by width

$$Sq. Ft. = 2' \times 2'$$

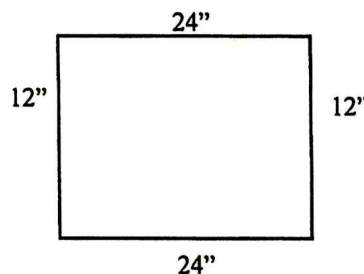
$$Sq. Ft. = 4'$$

If measurement is in inches, divide your answer by 144 to convert square inches to square feet.

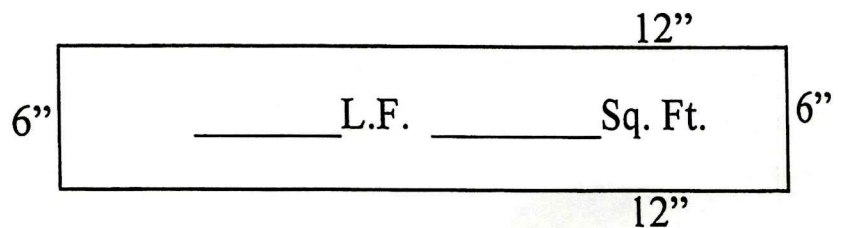
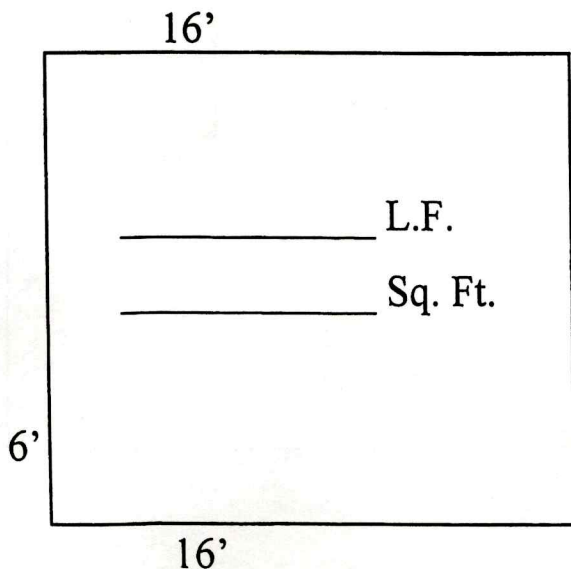
$$Sq. In. = 12'' \times 24''$$

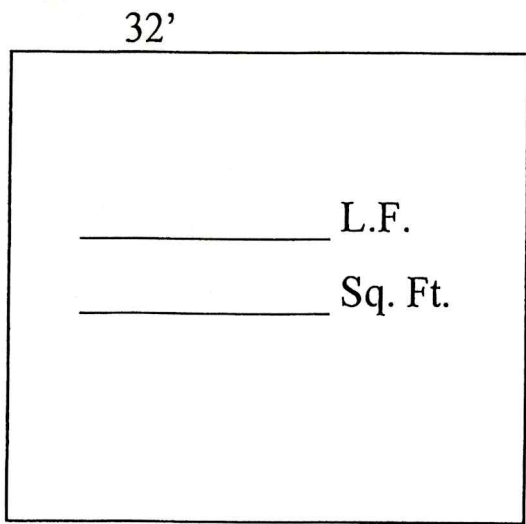
$$Sq. In. = 288''$$

$$\frac{288''}{144} = 2 Sq. Ft$$



Directions: Calculate linear feet and square footage for each figure.

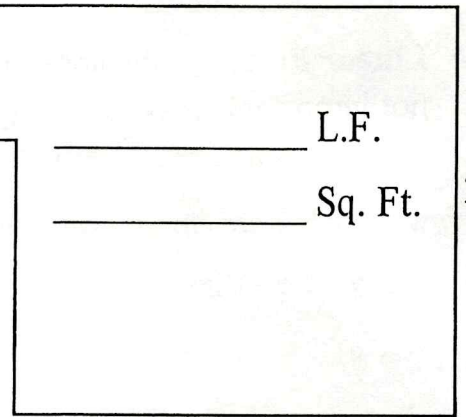




28'

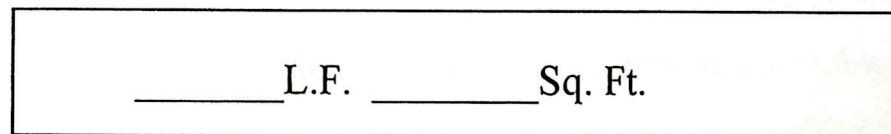
6'

10'



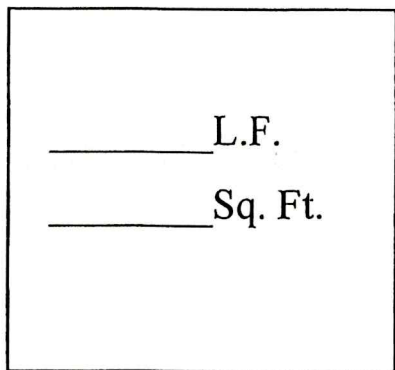
28'

24'



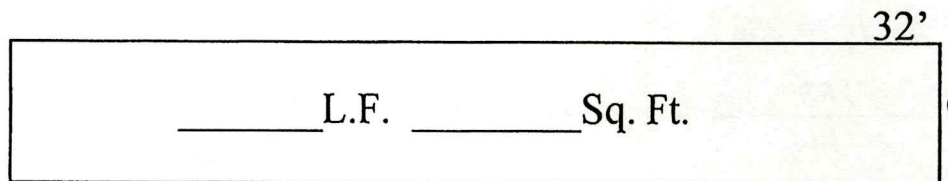
4'

28'



10'

10'



32'

6'

