

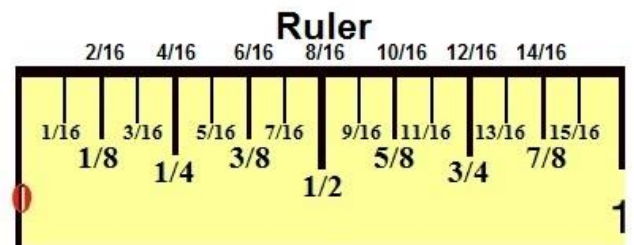
Employability Skills Area: Productivity

Assignment Name: Building Plans Take-off

Read the situation below related to the Employability Skills Area. Productivity. Type a 150-word (minimum) response to this situation and make sure you answer the three questions in your response.

Situation:

The core process of any construction based business involves estimating costs. To accomplish this, a successful employee must learn to recognize symbols on the drawings and measure them using the appropriate drawing scale. This take off is used to define the quantity of materials which are to be costed. Student will review the drawing scales, recognize how to measure and record the data.



(mathatube.com)

Different scales:  $1/4'' = 1'-0''$      $1/8'' = 1'-0''$

Questions:

1. How long is the 2"x6" board using the  $1/4''$  scale?
2. How long is the 2"x10" board using the  $1/8''$  scale?
3. Would objects appear larger on the  $1/4''$  or  $1/8''$  scale?

Thank you to our Partner in Education for providing this real workplace example.