

*Imperial Measurement*

## Show You Know

Ex. 1

The photograph of a muskox uses a scale of 1 : 30. Calculate the height of the muskox and the distance between the tips of its horns. State each answer in feet and inches



Ex. 2

What is the difference in the viewing area for a 46" standard television (4:3) and a 46" widescreen television (16:9)?

Ex. 3

A round Inuit drum needs to have its skin restretched and then lashed into place with sinew. For each inch of the frame,  $3\frac{1}{2}$  inches of sinew are needed. The diameter of the frame is  $1\frac{1}{4}$  ft. What length of sinew is needed? Express your answer to the nearest quarter of a foot.

## Practice

1. Convert each measurement to the unit indicated.
  - a. The circumference of a pipe is 1 ft 3 in. (nearest inch)
  
  
  
  
  
  
  
  
  
  
  - b. The Burj Khalifa in the United Arab Emirates is the world's tallest skyscraper, with a height of  $905\frac{1}{2}$  yards. (nearest foot)
  
  
  
  
  
  
  
  
  
  
  - c. The elevation of Mount Robson is 12 972 ft. (nearest tenth of a mile)

