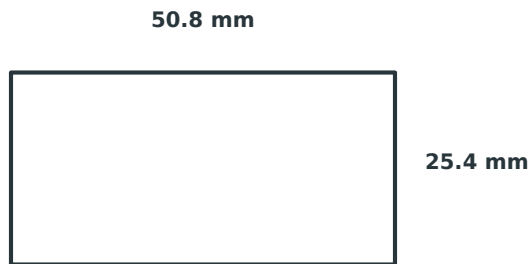


Imperial table, quarter inch to one foot

A fictional tabletop is 8 x 4 ft. Let 1/4 inch represent 1 foot. First express the scale with equal units. Find drawing size in inches and mm.



1/4 in : 12 in = 1:48. Drawing 2 x 1 in = 50.8 x 25.4 mm. Real area 32 ft²; drawing area 2 in². Convert area units before comparing factors.

Use one length factor on both axes. A length factor k gives an area factor k^2 only after using compatible area units. Check the intended drawing fits before choosing a scale. This is a classroom diagram, not a building specification.

