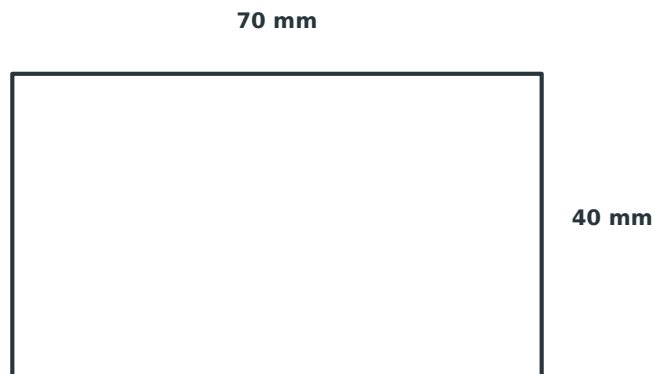


Metric room, 1 to 80

A fictional room is 5.6 x 3.2 m. Use scale 1:80. Find the drawing width and height in mm, then the real and drawn rectangle areas.



$5600/80=70$ mm; $3200/80=40$ mm. Drawn area 2800 mm². Real area 17.92 m² =17920000 mm². Area factor 1/6400.

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

