

Scale Drawings

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A scale drawing is used to draw a shape or object smaller or larger than the original but keeping the proportions the same. For example, the CN Tower is 553m tall. The tower on the right is to scale, with a scale factor of 1cm to 100m, or 1:100.



1cm:100m

Questions

Answer the questions below

1) If a bridge is 3500cm long and 1cm equals 500cm, how many cm long would the bridge be using a scale drawing?



2) The dimensions of a house are 20m by 30m. If one cm equals 2m, what are the scaled dimensions of the house?



3) If one cm equals 200km on a map, how many centimetres would be used to represent 2400km?



4) The length of a road is 540km. If 1cm equals 90km, how many cm would represent the length of the road?



5) Dimensions of a building are 90m by 60m. If one cm equals 15m, what are the dimensions of the building?



6) If one cm equals 12km on a map, how many cm would be used to represent 156km?

