

## Formal Definition of Scale Drawing

Depiction of an object in which its dimensions (and those of its elements) are proportional to the actual dimensions in a predetermined ratio.

## Casual Definition of Scale Drawing

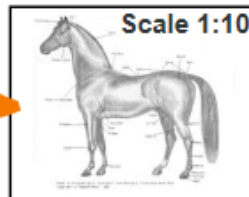
Definition of

# Scale

[more ...](#)



**Real Horse**  
1500 mm high  
2000 mm long



**Drawn Horse**  
150 mm high  
200 mm long

The ratio of the length in a drawing (or model) to the length on the real thing

Example: in the drawing anything with the size of "1" would have a size of "10" in the real world, so a measurement of 150mm on the drawing would be 1500mm on the

real horse.

## Examples4673

Without units vs with units

## Scales

Drawing Scale	Measuring Scale
1:20	1cm = 0.2m
1:25	1cm = 0.25m
1:50	1cm = 0.5m
1:100	1cm = 1m
1:200	1cm = 2m
1:500	1cm = 5m
1:1000	1cm = 10m
1:1250	1cm = 12.5m
1:2500	1cm = 25m
1:5000	1cm = 50m
1:10000	1cm = 100m