

Maquette Translation Formula:

Use to accurately scale your model from small maquette to large-scale sculpture and from large-scale sculpture back down to maquette.

$$\text{Big measurement} \div \text{Small measurement} = \text{Magic Number}$$

$$\text{Big} \div \text{Magic Number} = \text{Small}$$

$$\text{Small} \times \text{Magic Number} = \text{Big}$$

Determine Model's Scale:

Use to accurately determine how big your model is to real life.

1. Convert to same unit of measurement
2. Divide Large-scale measurement by model size
3. Scale is 1 : (quotient)

Example:

12' Tall Sculpture (in real life) vs. 3" model/maquette

$$12' \times 12'' \text{ in a foot} = 144''$$

$$144'' \div 3'' = 48$$

Model's Scale is 1:48