

MEASUREMENT CONVERSION WORKSHEET

Convert your real-world dimensions to TinkerCAD scale (1:100)

Name: _____

Period: _____

Date: _____

Room Type: _____

EXAMPLE: A room that is 31ft × 21ft × 8ft converts like this:

Part	Life-Size	Step A	Meters	Step B	Millimeters	Step C	TinkerCAD
Room Length	31 ft	× 0.305	9.5 m	× 1,000	9,500	÷ 100	95 mm
Room Width	21 ft	× 0.305	6.4 m	× 1,000	6,400	÷ 100	64 mm
Room Height	8 ft	× 0.305	2.4 m	× 1,000	2,400	÷ 100	24 mm

YOUR TURN: Convert 3 items from your style board. Write the item name, then fill in each column.

Part	Life-Size	Step A	Meters	Step B	Millimeters	Step C	TinkerCAD
Item 1: _____		ft: × .305 in: × .0254		× 1,000		÷ 100	
		ft: × .305 in: × .0254		× 1,000		÷ 100	
		ft: × .305 in: × .0254		× 1,000		÷ 100	
Item 2: _____		ft: × .305 in: × .0254		× 1,000		÷ 100	
		ft: × .305 in: × .0254		× 1,000		÷ 100	
		ft: × .305 in: × .0254		× 1,000		÷ 100	
Item 3: _____		ft: × .305 in: × .0254		× 1,000		÷ 100	
		ft: × .305 in: × .0254		× 1,000		÷ 100	
		ft: × .305 in: × .0254		× 1,000		÷ 100	

Quick Reference: 1 ft = 0.305 m | 1 in = 0.0254 m | 1 m = 1,000 mm | Scale: ÷ 100

Show this worksheet to your teacher when done. Initials: _____ Then use the calculator for the rest.