



# *drawing scale conversion sheet*

convert between drawings and real life, quickly!!

# drawing scale conversion sheet (metric)

## Converting Between Drawings and Reality

Drawing Scale	Drawing Scale Use*	1,000mm (1m) in real life is shown on a scale drawing as ____	10mm on a scale drawing represents ____ in real life
1:1	Details	1,000mm (100cm/ 1m)	10mm (1cm)
1:2		500mm (50cm/ 0.5m)	20mm (2cm)
1:5		200mm (20cm/ 0.2m)	50mm (5cm)
1:10		100mm (10cm/ 0.1m)	100mm (10cm/ 0.1m)
1:20	Details/ Rooms	50mm (5cm/ 0.05m)	200mm (20cm/ 0.2m)
1:50	Rooms	20mm (2cm/ 0.02m)	500mm (50cm/ 0.5m)
1:100	Building	10mm (1cm/ 0.01m)	1,000mm (1m)
1:200		5mm (0.5cm/ 0.005m)	2,000mm (2m)
1:250	Building/ Site	4mm (0.4cm/ 0.004m)	2,500mm (2.5m)
1:500	Site Plan	2mm (0.2cm/ 0.002m)	5,000mm (5m)
1:1,000		1mm (0.1cm/ 0.001m)	10,000mm (10m)
1:2,000		0.5mm (0.05cm/ 0.0005m)	20,000mm (20m)
1:5,000	Master Plan/ Location Plan	0.2mm (0.02cm/ 0.0002m)	50,000mm (50m)
1:10,000		0.1mm (0.01cm/ 0.0005m)	100,000mm (100m)
1:20,000		0.05mm	200,000mm (200m)
1:50,000		0.02mm	500,000mm (500m)
1:100,000		0.01mm	1,000,000mm (1,000m/ 1km)
1:200,000		0.005mm	2,000,000mm (2,000m/ 2km)
1:500,000		0.002mm	5,000,000mm (5,000/ 5km)

\* Depending on the project and information being communicated, some scales may overlap uses.

## Converting Between Scales

From (below) To (right)	1:2	1:5	1:10	1:20	1:50	1:100	1:200	1:250	1:500
<b>1:2</b>	-	/2.5	/5	/10	/25	/50	/100	/125	/250
<b>1:5</b>	x 2.5	-	/2	/4	/10	/20	/40	/50	/100
<b>1:10</b>	x 5	x 2	-	/2	/5	/10	/20	/25	/50
<b>1:20</b>	x 10	x 4	x 2	-	/2.5	/5	/10	/10.5	/25
<b>1:50</b>	x 25	x 10	x 5	x 2.5	-	/2	/4	/5	/10
<b>1:100</b>	x 50	x 20	x 10	x 5	x 2	-	/2	/2.5	/5
<b>1:200</b>	x 100	x 40	x 20	x 10	x 4	x 2	-	/1.25	/2.5
<b>1:250</b>	x 125	x 50	x 25	x 12.5	x 5	x 2.5	x 1.25	-	/2
<b>1:500</b>	x 250	x 100	x 50	x 25	x 10	x 5	x 2.5	x 2	-