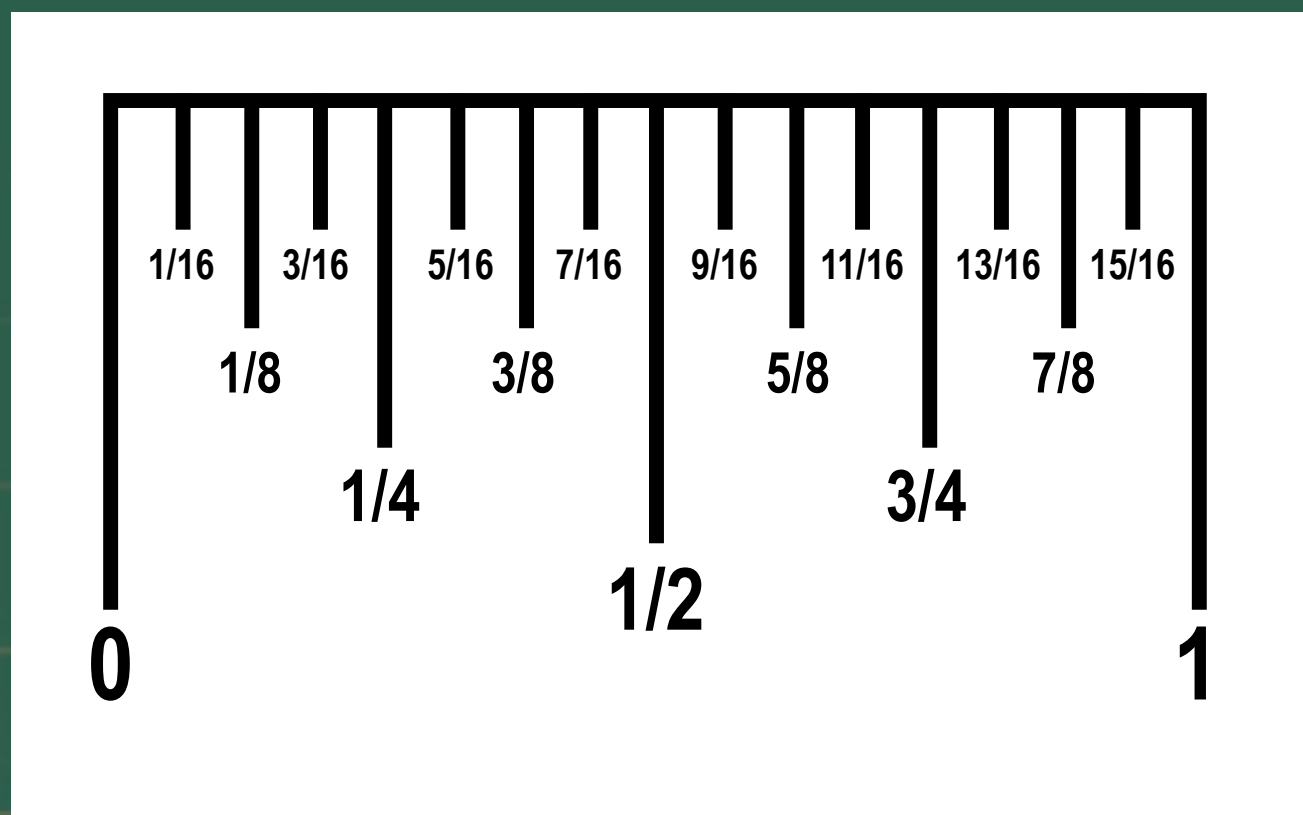


# How to Read a Ruler

## Using a Ruler — Standard Imperial Measurements



The markings on a standard ruler represent the fractions of an inch. The markings on a ruler from the start to the 1" mark are: 1/16", 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", and 1". If the measurement is over 1" simply use the number on the ruler and add the fraction, eg. if you're two ticks past the number 3 tick then the measurement is 3 1/8".

## Fraction to Decimal to Millimeter Conversion

Fraction	Decimal	Millimeter	Fraction	Decimal	Millimeter
1/64	.015625	0.3969	33/64	.515625	13.0959
1/32	.03125	0.7937	17/32	.53125	13.4937
3/64	.046875	1.1906	35/64	.546875	13.8906
1/16	.0625	1.5875	9/16	.5625	14.2875
5/64	.078125	1.9844	37/64	.578125	14.6844
3/32	.09375	2.3812	19/32	.59375	15.0812
7/64	.109375	2.7781	39/64	.609375	15.4781
<b>1/8</b>	<b>.125</b>	<b>3.1750</b>	<b>5/8</b>	<b>.625</b>	<b>15.8750</b>
9/64	.140625	3.5719	41/64	.640625	16.2719
5/32	.15625	3.9687	21/32	.65625	16.6687
11/64	.171875	4.3656	43/64	.671875	17.0656
3/16	.1875	4.7625	11/16	.6875	17.4625
13/64	.203125	5.1594	45/64	.703125	17.8594
7/32	.21875	5.5562	23/32	.71875	18.2562
15/64	.234375	5.9531	47/64	.734375	18.6531
<b>1/4</b>	<b>.25</b>	<b>6.3500</b>	<b>3/4</b>	<b>.75</b>	<b>19.0500</b>
17/64	.265625	6.7469	49/64	.765625	19.4469
9/32	.28125	7.1437	25/32	.78125	19.8437
19/64	.296875	7.5406	51/64	.796875	20.2406
5/16	.3125	7.9375	13/16	.8125	20.6375
21/64	.328125	8.3344	53/64	.828125	21.0344
11/32	.34375	8.7312	27/32	.84375	21.4312
23/64	.359375	9.1281	55/64	.859375	21.8281
<b>3/8</b>	<b>.375</b>	<b>9.5250</b>	<b>7/8</b>	<b>.875</b>	<b>22.2250</b>
25/64	.390625	9.9219	57/64	.890625	22.6219
13/32	.40625	10.3187	29/32	.90625	23.0187
27/64	.421875	10.7156	59/64	.921875	23.4156
7/16	.4375	11.1125	15/16	.9375	23.8125
29/64	.453125	11.5094	61/64	.953125	24.2094
15/32	.46875	11.9062	31/32	.96875	24.6062
31/64	.484375	12.3031	63/64	.984375	25.0031
<b>1/2</b>	<b>.5</b>	<b>12.7000</b>	<b>1</b>	<b>1.</b>	<b>25.4000</b>

MM - INCH	MM - INCH	MM - INCH	MM - INCH	MM - INCH
1 - .039	6 - .2362	11 - .4331	16 - .6300	21 - .8268
2 - .0790	7 - .2756	12 - .4724	17 - .6693	22 - .8661
3 - .1181	8 - .3150	13 - .5119	18 - .7087	23 - .9055
4 - .1575	9 - .3543	14 - .5519	19 - .7480	24 - .9449
5 - .1969	<b>10 - .3937</b>	15 - .5906	<b>20 - .7874</b>	25 - .9843

To convert millimeters into inches multiply by .03937

To convert inches into millimeters multiply by 25.40