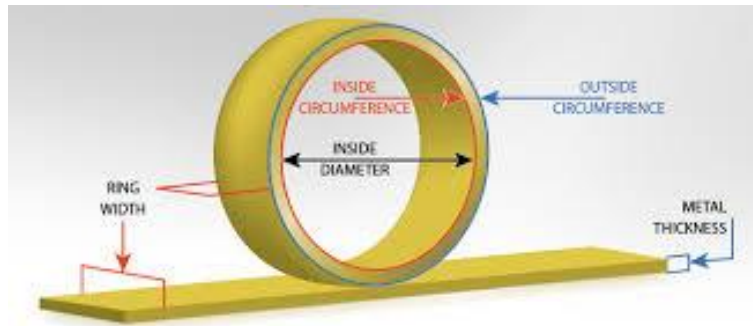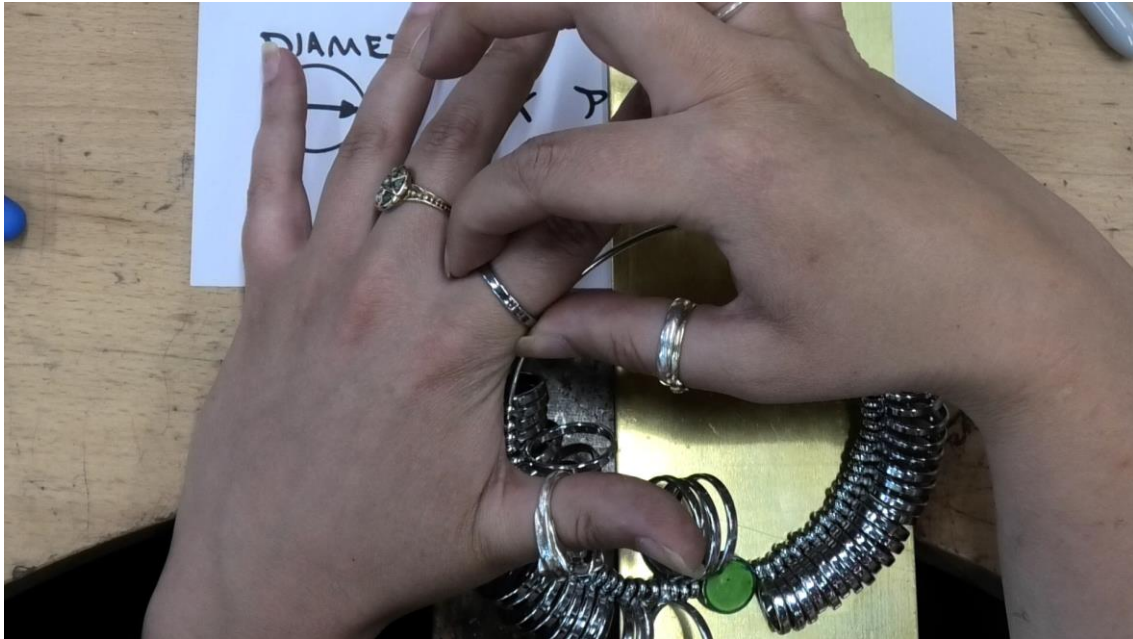# Calculating the circumference of a ring

To calculate the circumference of a ring (which is a circle), you need to know either its radius or diameter. The formula for circumference is either C = 2πr (where 'r' is the radius) or C = πd (where 'd' is the diameter). π (pi) is a mathematical constant approximately equal to 3.14159.

US/CA	UK/AU	Diameter	Circumference
5	K	15.7mm	49.3mm
5.5	L	16.1mm	50.6mm
6	M	16.5mm	51.8mm
6.5	N	16.9mm	53.1mm
7	O	17.4mm	54.7mm
7.5	P	17.7mm	55.6mm
8	Q	18.2mm	57.2mm
8.5	R	18.5mm	58.1mm
9	S	19mm	59.7mm
9.5	T	19.4mm	60.9mm
10	U	19.9mm	62.5mm
10.5	V	20.2mm	63.5mm
11	W	20.7mm	65mm
11.5	X	21mm	66mm
12	Y	21.5mm	67.5mm
12.5	Z	21.8mm	68.5mm
13	Z1	22.3mm	70.1mm
13.5	Z2	22.6mm	71mm
14	Z3	23.1mm	72.6mm
14.5	Z4	23.4mm	73.5mm
15	Z5	23.9mm	75.1mm
15.5	Z6	24.2mm	76mm
16	Z7	24.6mm	77.3mm
16.5	Z8	25mm	78.5mm
17	Z9	25.4mm	79.8mm

Use a ring sizer gauge to measure your ring size and apply the calculation above to get the length of metal needed to make a ring in your size.

For example, if my finger is an **R**, looking at the ring chart above the ring diameter is 18.5 mm. Therefore, the calculation for the length of wire needed is 18.5 mm x π(3.14) = 58.09mm, which I rounded up to 58.1 mm.