

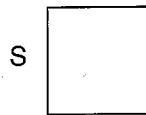
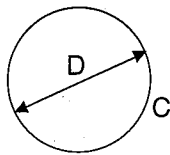
Areas and Circumferences of Circles

Diameter		Circumference		Area	
Inches	mm	Inches	mm	Inches ²	mm ²
1/8	6	0.40	10	0.01227	8.0
1/4	8	0.79	20	0.04909	31.7
3/8	10	1.18	30	0.11045	71.3
1/2	15	1.57	40	0.19635	126.7
3/4	20	2.36	60	0.44179	285.0
1	25	3.14	80	0.7854	506.7
1-1/4	32	3.93	100	1.2272	791.7
1-1/2	40	4.71	120	1.7671	1,140.1
2	50	6.28	160	3.1416	2,026.8
2-1/2	65	7.85	200	4.9087	3,166.9
3	80	9.43	240	7.0686	4,560.4
4	100	12.55	320	12.566	8,107.1
5	125	15.71	400	19.635	12,667.7
6	150	18.85	480	28.274	18,241.3
7	175	21.99	560	38.485	24,828.9
8	200	25.13	640	50.265	32,428.9
9	225	28.27	720	63.617	41,043.1
10	250	31.42	800	78.540	50,670.9

EQUAL PERIPHERIES

$S = 0.7854 D$
 $D = 1.2732 S$

$S = 0.8862 D$
 $D = 1.1284 S$
 $S = 0.2821 C$



EQUAL AREAS

Area of square (S') =
 1.2732 x area of circle

Area of square (S) =
 0.6366 x area of circle

$C = \pi D = 2\pi R$

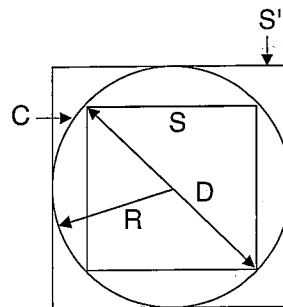
$C = 3.5446 \sqrt{\text{area}}$

$D = 0.3183 C = 2R$

$D = 1.1283 \sqrt{\text{area}}$

Area = $\pi R^2 = 0.7854 D^2$

Area = $0.07958 C^2 = \frac{\pi D^2}{4}$



$\pi = 3.1416$