

Length Only

No. Of Sides → Angle → Diameter ↓	8 22.5	12 15	16 11.25	20 9	24 7.5	30 6	36 5	40 4.5	48 3.75	64 2.8125
	LENGTH ↓									
1	0.414	0.268	0.199	0.158	0.132	0.105	0.087	0.079	0.066	0.049
1 1/4	0.518	0.335	0.249	0.198	0.165	0.131	0.109	0.098	0.082	0.061
1 1/2	0.621	0.402	0.298	0.238	0.197	0.158	0.131	0.118	0.098	0.074
1 3/4	0.725	0.469	0.348	0.277	0.230	0.184	0.153	0.138	0.115	0.086
2	0.828	0.536	0.398	0.317	0.263	0.210	0.175	0.157	0.131	0.098
2 1/4	0.932	0.603	0.448	0.356	0.296	0.236	0.197	0.177	0.147	0.111
2 1/2	1.036	0.670	0.497	0.396	0.329	0.263	0.219	0.197	0.164	0.123
2 3/4	1.139	0.737	0.547	0.436	0.362	0.289	0.241	0.216	0.180	0.135
3	1.243	0.804	0.597	0.475	0.395	0.315	0.262	0.236	0.197	0.147
3 1/4	1.346	0.871	0.646	0.515	0.428	0.342	0.284	0.256	0.213	0.160
3 1/2	1.450	0.938	0.696	0.554	0.461	0.368	0.306	0.275	0.229	0.172
3 3/4	1.553	1.005	0.746	0.594	0.494	0.394	0.328	0.295	0.246	0.184
4	1.657	1.072	0.796	0.634	0.527	0.420	0.350	0.315	0.262	0.197
4 1/4	1.760	1.139	0.845	0.673	0.560	0.447	0.372	0.334	0.279	0.209
4 1/2	1.864	1.206	0.895	0.713	0.592	0.473	0.394	0.354	0.295	0.221
4 3/4	1.968	1.273	0.945	0.752	0.625	0.499	0.416	0.374	0.311	0.233
5	2.071	1.340	0.995	0.792	0.658	0.526	0.437	0.394	0.328	0.246
5 1/4	2.175	1.407	1.044	0.832	0.691	0.552	0.459	0.413	0.344	0.258
5 1/2	2.278	1.474	1.094	0.871	0.724	0.578	0.481	0.433	0.360	0.270
5 3/4	2.382	1.541	1.144	0.911	0.757	0.604	0.503	0.453	0.377	0.282
6	2.485	1.608	1.193	0.950	0.790	0.631	0.525	0.472	0.393	0.295
6 1/4	2.589	1.675	1.243	0.990	0.823	0.657	0.547	0.492	0.410	0.307
6 1/2	2.692	1.742	1.293	1.029	0.856	0.683	0.569	0.512	0.426	0.319
6 3/4	2.796	1.809	1.343	1.069	0.889	0.709	0.591	0.531	0.442	0.332
7	2.899	1.876	1.392	1.109	0.922	0.736	0.612	0.551	0.459	0.344
7 1/4	3.003	1.943	1.442	1.148	0.954	0.762	0.634	0.571	0.475	0.356
7 1/2	3.107	2.010	1.492	1.188	0.987	0.788	0.656	0.590	0.492	0.368
7 3/4	3.210	2.077	1.542	1.227	1.020	0.815	0.678	0.610	0.508	0.381
8	3.314	2.144	1.591	1.267	1.053	0.841	0.700	0.630	0.524	0.393
8 1/4	3.417	2.211	1.641	1.307	1.086	0.867	0.722	0.649	0.541	0.405
8 1/2	3.521	2.278	1.691	1.346	1.119	0.893	0.744	0.669	0.557	0.418
8 3/4	3.624	2.345	1.740	1.386	1.152	0.920	0.766	0.689	0.574	0.430
9	3.728	2.412	1.790	1.425	1.185	0.946	0.787	0.708	0.590	0.442
9 1/4	3.831	2.479	1.840	1.465	1.218	0.972	0.809	0.728	0.606	0.454
9 1/2	3.935	2.546	1.890	1.505	1.251	0.998	0.831	0.748	0.623	0.467
9 3/4	4.039	2.613	1.939	1.544	1.284	1.025	0.853	0.767	0.639	0.479
10	4.142	2.679	1.989	1.584	1.317	1.051	0.875	0.787	0.655	0.491
10 1/4	4.246	2.746	2.039	1.623	1.349	1.077	0.897	0.807	0.672	0.504
10 1/2	4.349	2.813	2.089	1.663	1.382	1.104	0.919	0.826	0.688	0.516
10 3/4	4.453	2.880	2.138	1.703	1.415	1.130	0.941	0.846	0.705	0.528
11	4.556	2.947	2.188	1.742	1.448	1.156	0.962	0.866	0.721	0.540
11 1/4	4.660	3.014	2.238	1.782	1.481	1.182	0.984	0.885	0.737	0.553
11 1/2	4.763	3.081	2.287	1.821	1.514	1.209	1.006	0.905	0.754	0.565
11 3/4	4.867	3.148	2.337	1.861	1.547	1.235	1.028	0.925	0.770	0.577
12	4.971	3.215	2.387	1.901	1.580	1.261	1.050	0.944	0.787	0.590

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	LENGTH ↓									
12 1/4	5.074	3.282	2.437	1.940	1.613	1.288	1.072	0.964	0.803	0.602
12 1/2	5.178	3.349	2.486	1.980	1.646	1.314	1.094	0.984	0.819	0.614
12 3/4	5.281	3.416	2.536	2.019	1.679	1.340	1.115	1.003	0.836	0.626
13	5.385	3.483	2.586	2.059	1.711	1.366	1.137	1.023	0.852	0.639
13 1/4	5.488	3.550	2.636	2.099	1.744	1.393	1.159	1.043	0.868	0.651
13 1/2	5.592	3.617	2.685	2.138	1.777	1.419	1.181	1.062	0.885	0.663
13 3/4	5.695	3.684	2.735	2.178	1.810	1.445	1.203	1.082	0.901	0.675
14	5.799	3.751	2.785	2.217	1.843	1.471	1.225	1.102	0.918	0.688
14 1/4	5.903	3.818	2.835	2.257	1.876	1.498	1.247	1.121	0.934	0.700
14 1/2	6.006	3.885	2.884	2.297	1.909	1.524	1.269	1.141	0.950	0.712
14 3/4	6.110	3.952	2.934	2.336	1.942	1.550	1.290	1.161	0.967	0.725
15	6.213	4.019	2.984	2.376	1.975	1.577	1.312	1.181	0.983	0.737
15 1/4	6.317	4.086	3.033	2.415	2.008	1.603	1.334	1.200	1.000	0.749
15 1/2	6.420	4.153	3.083	2.455	2.041	1.629	1.356	1.220	1.016	0.761
15 3/4	6.524	4.220	3.133	2.495	2.074	1.655	1.378	1.240	1.032	0.774
16	6.627	4.287	3.183	2.534	2.106	1.682	1.400	1.259	1.049	0.786
16 1/4	6.731	4.354	3.232	2.574	2.139	1.708	1.422	1.279	1.065	0.798
16 1/2	6.835	4.421	3.282	2.613	2.172	1.734	1.444	1.299	1.081	0.811
16 3/4	6.938	4.488	3.332	2.653	2.205	1.760	1.465	1.318	1.098	0.823
17	7.042	4.555	3.382	2.693	2.238	1.787	1.487	1.338	1.114	0.835
17 1/4	7.145	4.622	3.431	2.732	2.271	1.813	1.509	1.358	1.131	0.847
17 1/2	7.249	4.689	3.481	2.772	2.304	1.839	1.531	1.377	1.147	0.860
17 3/4	7.352	4.756	3.531	2.811	2.337	1.866	1.553	1.397	1.163	0.872
18	7.456	4.823	3.580	2.851	2.370	1.892	1.575	1.417	1.180	0.884
18 1/4	7.559	4.890	3.630	2.891	2.403	1.918	1.597	1.436	1.196	0.897
18 1/2	7.663	4.957	3.680	2.930	2.436	1.944	1.619	1.456	1.213	0.909
18 3/4	7.767	5.024	3.730	2.970	2.468	1.971	1.640	1.476	1.229	0.921
19	7.870	5.091	3.779	3.009	2.501	1.997	1.662	1.495	1.245	0.933
19 1/4	7.974	5.158	3.829	3.049	2.534	2.023	1.684	1.515	1.262	0.946
19 1/2	8.077	5.225	3.879	3.088	2.567	2.050	1.706	1.535	1.278	0.958
19 3/4	8.181	5.292	3.929	3.128	2.600	2.076	1.728	1.554	1.294	0.970
20	8.284	5.359	3.978	3.168	2.633	2.102	1.750	1.574	1.311	0.983
20 1/4	8.388	5.426	4.028	3.207	2.666	2.128	1.772	1.594	1.327	0.995
20 1/2	8.491	5.493	4.078	3.247	2.699	2.155	1.794	1.613	1.344	1.007
20 3/4	8.595	5.560	4.127	3.286	2.732	2.181	1.815	1.633	1.360	1.019
21	8.698	5.627	4.177	3.326	2.765	2.207	1.837	1.653	1.376	1.032
21 1/4	8.802	5.694	4.227	3.366	2.798	2.233	1.859	1.672	1.393	1.044
21 1/2	8.906	5.761	4.277	3.405	2.831	2.260	1.881	1.692	1.409	1.056
21 3/4	9.009	5.828	4.326	3.445	2.863	2.286	1.903	1.712	1.426	1.069
22	9.113	5.895	4.376	3.484	2.896	2.312	1.925	1.731	1.442	1.081
22 1/4	9.216	5.962	4.426	3.524	2.929	2.339	1.947	1.751	1.458	1.093
22 1/2	9.320	6.029	4.476	3.564	2.962	2.365	1.968	1.771	1.475	1.105
22 3/4	9.423	6.096	4.525	3.603	2.995	2.391	1.990	1.790	1.491	1.118
23	9.527	6.163	4.575	3.643	3.028	2.417	2.012	1.810	1.507	1.130
23 1/4	9.630	6.230	4.625	3.682	3.061	2.444	2.034	1.830	1.524	1.142

Length Only

No. Of Sides → Angle → Diameter ↓	8	12	16	20	24	30	36	40	48	64
	22.5	15	11.25	9	7.5	6	5	4.5	3.75	2.8125
	LENGTH ↓									
23 1/2	9.734	6.297	4.674	3.722	3.094	2.470	2.056	1.849	1.540	1.154
23 3/4	9.838	6.364	4.724	3.762	3.127	2.496	2.078	1.869	1.557	1.167
24	9.941	6.431	4.774	3.801	3.160	2.523	2.100	1.889	1.573	1.179
24 1/4	10.045	6.498	4.824	3.841	3.193	2.549	2.122	1.909	1.589	1.191
24 1/2	10.148	6.565	4.873	3.880	3.225	2.575	2.143	1.928	1.606	1.204
24 3/4	10.252	6.632	4.923	3.920	3.258	2.601	2.165	1.948	1.622	1.216
25	10.355	6.699	4.973	3.960	3.291	2.628	2.187	1.968	1.639	1.228