



World Dimensions

The **Traveller Mapping System** uses 12 different size World Maps corresponding to UWP Size.
The World Map Appendix provides these individual blank maps.

World Map

WORLD MAP DIMENSION DETAILS

Size	1	2	3	4	5	6	7	8	9	10
Miles	1,000	2,000	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000
Diameter	1,600	3,200	4,800	6,400	8,000	9,600	11,200	12,800	14,400	16,000
Radius	800	1,600	2,400	3,200	4,000	4,800	5,600	6,400	7,200	8,000
Circumference	5,027	10,053	15,080	20,106	25,133	30,159	35,186	40,212	45,239	50,265
Equator	5,027	10,053	15,080	20,106	25,133	30,159	35,186	40,212	45,239	50,265
Triangle Edge	1,005	2,011	3,016	4,021	5,027	6,032	7,037	8,042	9,048	10,053
Hex	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005
Hexes/Triangle	1	3	6	10	15	21	28	36	45	55
World Hexes	20	60	120	200	300	420	560	720	900	1100
Volume=	.002	.01	.05	.125	.25	.42	.67	1	1.424	1.95
(Density 1.0)*G=	.125	.25	.375	.50	.625	.75	.875	1	1.125	1.25

Dimensions in Km less noted (World Size equals diameter of the World in Miles). * Assumes Density comparable to Terra.
World Triangles. World Triangle size varies with World Size. A World Triangle edge has hexes equal to World Size.

WORLD MAP DIMENSION DETAILS

Size	11	12	13	14	15	16	17	18	19	20
Miles	11,000	12,000	13,000	14,000	15,000	16,000	17,000	18,000	19,000	20,000
Diameter	17,600	19,200	20,800	22,400	24,000	25,600	27,200	28,800	30,400	32,000
Radius	8800	9600	10400	11200	12000	12800	13600	14400	15200	16000
Circumference	55,292	60,319	65,345	70,372	75,398	80,425	85,451	90,478	95,504	100,531
Equator	55,292	60,319	65,345	70,372	75,398	80,425	85,451	90,478	95,504	100,531
Triangle Edge	11,058	2,011	3,016	4,021	5,027	6,032	7,037	8,042	9,048	10,053
Hex	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005
Hexes/Triangle	66	78	91	105	120	136	153	171	190	210
World Hexes	1320	1560	1820	2100	2400	2720	3060	3420	3800	4200
Volume=	2.6	3.375	4.29	5.35	6.59	8	9.59	11.39	13.39	15.62
(Density 1.0)*G=	1.375	1.5	1.625	1.75	1.875	2.0	2.125	2.25	2.375	2.5

Dimensions in Km less noted (World Size equals diameter of the World in Miles). * Assumes Density comparable to Terra.
World Triangles. World Triangle Size varies with World Size. World Triangle Edge has hexes equal to World Size.

ALTERNATE DENSITIES-1

Size	1	2	3	4	5	6	7	8	9	10
World Hexes	20	60	120	200	300	420	560	720	900	1100
(Density 1.1) *G=	.14	.30	.49	.72	1.00	1.32	1.69	2.13	2.64	3.22

Comments= A Size=5 World with 1.1 Density has 1 G Surface Gravity and probably high concentrations of heavy metals.

ALTERNATE DENSITIES-2

Size	11	12	13	14	15	16	17	18	19	20
World Hexes	1320	1560	1820	2100	2400	2720	3060	3420	3800	4200
(Density 0.4) *G=	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00

Comments= A Size=20 World with 0.4 Density has 1 G surface Gravity and six times the surface hexes of Earth. It is probably low in heavy metals.

