

- C 1 -

TREE OR BUILDING HEIGHT ESTIMATION CHART

Dist.	Angle to top of object in degrees														
	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
20	4	5	7	9	12	14	17	20	24	29	35	43	55	75	113
25	4	7	9	12	14	18	21	25	30	36	43	54	69	93	142
30	5	8	11	14	17	21	25	30	36	43	52	64	82	112	170
35	6	9	13	16	20	25	29	35	42	50	61	75	96	131	198
40	7	11	15	19	23	28	34	40	48	57	69	86	110	149	227
45	8	12	16	21	26	32	38	45	54	64	78	97	124	168	255
50	9	13	18	23	29	35	42	50	60	71	87	107	137	187	284
55	10	15	20	26	32	39	46	55	66	79	95	118	151	205	312
60	11	16	22	28	35	42	50	60	72	86	104	129	165	224	340
65	11	17	24	30	38	46	55	65	77	93	113	139	179	243	369
70	12	19	25	33	40	49	59	70	83	100	121	150	192	261	397
75	13	20	27	35	43	53	63	75	89	107	130	161	206	280	425
80	14	21	29	37	46	56	67	80	95	114	139	172	220	299	454
85	15	23	31	40	49	60	71	85	101	121	147	182	234	317	482
90	16	24	33	42	52	63	76	90	107	129	156	193	247	336	510
95	17	25	35	44	55	67	80	95	113	136	165	204	261	355	539
100	18	27	36	47	58	70	84	100	119	143	173	214	275	373	567
105	19	28	38	49	61	74	88	105	125	150	182	225	288	392	595
110	19	29	40	51	64	77	92	110	131	157	191	236	302	411	624
115	20	31	42	54	66	81	96	115	137	164	199	247	316	429	652
120	21	32	44	56	69	84	101	120	143	171	208	257	330	448	681
125	22	33	45	58	72	88	105	125	149	179	217	268	343	467	709
130	23	35	47	61	75	91	109	130	155	186	225	279	357	485	737
135	24	36	49	63	78	95	113	135	161	193	234	290	371	504	766

How to Use This Chart:

- On relatively flat ground tape the distance between you and the tree or building. Using the inclinometer, measure the angle to the top of the object. Find the angle in the top row and the distance (feet) in the left column. The intersecting cell has the height in feet. Add 5' for your eye height.
- Cutting a tree? Use the inclinometer to determine where it will land. Walk backwards in the direction you hope the tree will fall. When the inclinometer reads 45° you are standing where the top should land.

Final Thoughts

I hope you try the simple uses of solar outlined in this booklet. Please let us know how they work out for you.

If you would like more ideas and help with your house plans, please visit www.planhelp.com.