

## COMPASS / PACING GAME

This is a fairly simple game to help scouts practice the basics of using a compass and pacing.

Equipment needed:

200' square level area to play;

100 foot long tape or a rope with feet marked (shop around, I found a 100' tape for less that I could have gotten the materials to make one);

A printout of this file, cut out the "cards" on the last five pages (if you run out, get more at <http://www.geocities.com/byrdscouter/>);

A compass (more than one can play at a time, have each scout bring his own).

Game Setup:

In an open, level area, lay out the rope or tape due north, 0 feet at the south end. Have each scout walk the length of the tape, counting his paces to establish his standard pace (better if done at least two times to get an average).

Give each scout a few cards (will depend how much time you want to spend).

Each scout should go along the first bearing for the distance shown. The second bearing and distance should take him back to the tape where he can record the foot that he ends up closest to. Once the scouts have learned the technique, split into two-man teams. One scout should stay at the starting point to give direction while the other paces out the distance. Once the "pacing" scout has reached the distance, the "direction" scout should put him on line. The "pacing" scout can check the azimuth back to the "direction" scout as a double check for direction. The "direction" scout should then pace to the "pacing" scout as a double check for distance. This way they can see the difference in accuracy of an individual compared to when they work as a team.

Scoring:

Subtract the scouts recorded end points from the correct end points, add up the misses, low score wins. Be sure to let the scouts know that compass and pacing is not an exact form of measuring and that perfect scores are as much luck as skill.

The azimuths, distances and answer sheets were calculated using a CADD program, double checked with a COGO program, and are accurate to within one foot if your baseline is oriented to north properly.

## Answer Sheet

Start	End		Start	End		Start	End
0	70		33	54		67	41
1	100		34	92		68	94
2	79		35	55		69	92
3	60		36	72		70	8
4	85		37	79		71	34
5	57		38	85		72	55
6	83		39	56		73	91
7	47		40	63		74	93
8	33		41	93		75	61
9	54		42	94		76	19
10	67		43	8		77	30
11	92		44	74		78	14
12	68		45	81		79	26
13	84		46	17		80	38
14	96		47	26		81	50
15	73		48	91		82	41
16	82		49	30		83	52
17	53		50	92		84	32
18	94		51	89		85	36
19	81		52	10		86	39
20	52		53	94		87	59
21	80		54	97		88	58
22	5		55	37		89	10
23	87		56	30		90	19
24	83		57	4		91	29
25	93		58	25		92	37
26	74		59	10		93	24
27	48		60	29		94	31
28	4		61	37		95	39
29	70		62	96		96	26
30	80		63	92		97	51
31	94		64	8		98	32
32	56		65	92		99	44
			66	39		100	7

START AT 1  
GO 328° - 85 feet  
GO 59° - 53 feet  
END AT \_\_\_\_\_

START AT 2  
GO 133° - 58 feet  
GO 340° - 124 feet  
END AT \_\_\_\_\_

START AT 3  
GO 67° - 78 feet  
GO 290° - 77 feet  
END AT \_\_\_\_\_

START AT 4  
GO 234° - 41 feet  
GO 17° - 110 feet  
END AT \_\_\_\_\_

START AT 5  
GO 330° - 118 feet  
GO 130° - 78 feet  
END AT \_\_\_\_\_

START AT 6  
GO 90° - 65 feet  
GO 320° - 101 feet  
END AT \_\_\_\_\_

START AT 7  
GO 293° - 68 feet  
GO 78° - 64 feet  
END AT \_\_\_\_\_

START AT 8  
GO 10° - 88 feet  
GO 194 feet - 64 feet  
END AT \_\_\_\_\_

START AT 9  
GO 274° - 62 feet  
GO 57° - 74 feet  
END AT \_\_\_\_\_

START AT 10  
GO 252° - 35 feet  
GO 26° - 76 feet  
END AT \_\_\_\_\_

START AT 11  
GO 68° - 58 feet  
GO 318 feet - 80 feet  
END AT \_\_\_\_\_

START AT 12  
GO 298° - 90 feet  
GO 80° - 81 feet  
END AT \_\_\_\_\_

START AT 13  
GO 102° - 68 feet  
GO 322° - 108 feet  
END AT \_\_\_\_\_

START AT 14  
GO 304° - 53 feet  
GO 40° - 68 feet  
END AT \_\_\_\_\_

START AT 15  
GO 145° - 38 feet  
GO 346° - 92 feet  
END AT \_\_\_\_\_

START AT 16  
GO 217° - 36 feet  
GO 13° - 97 feet  
END AT \_\_\_\_\_

START AT 17  
GO 87° - 67 feet  
GO 296° - 75 feet  
END AT \_\_\_\_\_

START AT 18  
GO 345° - 102 feet  
GO 130° - 35 feet  
END AT \_\_\_\_\_

START AT 19  
GO 69° - 76 feet  
GO 296° - 79 feet  
END AT \_\_\_\_\_

START AT 20  
GO 314° - 76 feet  
GO 111° - 59 feet  
END AT \_\_\_\_\_

START AT 21  
GO 24° - 105 feet  
GO 229° - 57 feet  
END AT \_\_\_\_\_

START AT 22  
GO 306° - 66 feet  
GO 137° - 77 feet  
END AT \_\_\_\_\_

START AT 23  
GO 111° - 47 feet  
GO 331° - 92 feet  
END AT \_\_\_\_\_

START AT 24  
GO 270° - 51 feet  
GO 41° - 78 feet  
END AT \_\_\_\_\_

START AT 25  
GO 171° - 24 feet  
GO 358° - 92 feet  
END AT \_\_\_\_\_

START AT 26  
GO 293° - 44 feet  
GO 53° - 51 feet  
END AT \_\_\_\_\_

START AT 27  
GO 42° - 54 feet  
GO 242° - 41 feet  
END AT \_\_\_\_\_

START AT 28  
GO 250° - 47 feet  
GO 100° - 45 feet  
END AT \_\_\_\_\_

START AT 29  
GO 34° - 64 feet  
GO 252° - 38 feet  
END AT \_\_\_\_\_

START AT 30  
GO 231° - 36 feet  
GO 21° - 78 feet  
END AT \_\_\_\_\_

START AT 31  
GO 305° - 54 feet  
GO 54° - 54 feet  
END AT \_\_\_\_\_

START AT 32  
GO 221° - 50 feet  
GO 28° - 70 feet  
END AT \_\_\_\_\_

START AT 33  
GO 146° - 48 feet  
GO 336° - 66 feet  
END AT \_\_\_\_\_

START AT 34  
GO 290° - 47 feet  
GO 46° - 61 feet  
END AT \_\_\_\_\_

START AT 35  
GO 14° - 66 feet  
GO 200° - 47 feet  
END AT \_\_\_\_\_

START AT 36  
GO 265° - 43 feet  
GO 47° - 59 feet  
END AT \_\_\_\_\_

START AT 37  
GO 110° - 37 feet  
GO 328° - 65 feet  
END AT \_\_\_\_\_

START AT 38  
GO 322° - 68 feet  
GO 99° - 43 feet  
END AT \_\_\_\_\_

START AT 39  
GO 36° - 61 feet  
GO 228° - 48 feet  
END AT \_\_\_\_\_

START AT 40  
GO 225° - 54 feet  
GO 32° - 72 feet  
END AT \_\_\_\_\_

START AT 41  
GO 53° - 45 feet  
GO 305° - 44 feet  
END AT \_\_\_\_\_

START AT 42  
GO 294° - 47 feet  
GO 52° - 54 feet  
END AT \_\_\_\_\_

START AT 43  
GO 118° - 42 feet  
GO 248° - 40 feet  
END AT \_\_\_\_\_

START AT 44  
GO 202° - 47 feet  
GO 14° - 76 feet  
END AT \_\_\_\_\_

START AT 45  
GO 32° - 65 feet  
GO 242° - 40 feet  
END AT \_\_\_\_\_

START AT 46  
GO 141° - 50 feet  
GO 287° - 33 feet  
END AT \_\_\_\_\_

START AT 47  
GO 20° - 47 feet  
GO 194° - 67 feet  
END AT \_\_\_\_\_

START AT 48  
GO 296° - 49 feet  
GO 64° - 49 feet  
END AT \_\_\_\_\_

START AT 49  
GO 229° - 58 feet  
GO 66° - 48 feet  
END AT \_\_\_\_\_

START AT 50  
GO 65° - 52 feet  
GO 293° - 51 feet  
END AT \_\_\_\_\_

START AT 51  
GO 305° - 59 feet  
GO 85° - 48 feet  
END AT \_\_\_\_\_

START AT 52  
GO 139° - 65 feet  
GO 280° - 43 feet  
END AT \_\_\_\_\_

START AT 53  
GO 334° - 79 feet  
GO 131° - 46 feet  
END AT \_\_\_\_\_

START AT 54  
GO 32° - 83  
GO 238° - 52 feet  
END AT \_\_\_\_\_

START AT 55  
GO 140° - 65 feet  
GO 307° - 53 feet  
END AT \_\_\_\_\_

START AT 56  
GO 220° - 77 feet  
GO 57° - 60 feet  
END AT \_\_\_\_\_

START AT 57  
GO 72° - 45 feet  
GO 213° - 80 feet  
END AT \_\_\_\_\_

START AT 58  
GO 270° - 47 feet  
GO 125° - 57 feet  
END AT \_\_\_\_\_

START AT 59  
GO 123° - 54 feet  
GO 247° - 49 feet  
END AT \_\_\_\_\_

START AT 60  
GO 315° - 47 feet  
GO 153° - 72 feet  
END AT \_\_\_\_\_

START AT 61  
GO 39° - 51 feet  
GO 207° - 71 feet  
END AT \_\_\_\_\_

START AT 62  
GO 296° - 53 feet  
GO 77° - 49 feet  
END AT \_\_\_\_\_

START AT 63  
GO 48° - 64 feet  
GO 254° - 50 feet  
END AT \_\_\_\_\_

START AT 64  
GO 240° - 52 feet  
GO 124° - 54 feet  
END AT \_\_\_\_\_

START AT 65  
GO 283° - 51 feet  
GO 73° - 52 feet  
END AT \_\_\_\_\_

START AT 66  
GO 332° - 42 feet  
GO 163° - 67 feet  
END AT \_\_\_\_\_

START AT 67  
GO 38° - 49 feet  
GO 205° - 71 feet  
END AT \_\_\_\_\_

START AT 68  
GO 256° - 45 feet  
GO 50° - 57 feet  
END AT \_\_\_\_\_

START AT 69  
GO 141° - 55 feet  
GO 332° - 75 feet  
END AT \_\_\_\_\_

START AT 70  
GO 231° - 50 feet  
GO 128° - 50 feet  
END AT \_\_\_\_\_

START AT 71  
GO 142° - 70 feet  
GO 293° - 47 feet  
END AT \_\_\_\_\_

START AT 72  
GO 220° - 67 feet  
GO 52° - 55 feet  
END AT \_\_\_\_\_

START AT 73  
GO 228° - 58 feet  
GO 37° - 71 feet  
END AT \_\_\_\_\_

START AT 74  
GO 106° - 50 feet  
GO 305° - 58 feet  
END AT \_\_\_\_\_

START AT 75  
GO 236° - 59 feet  
GO 69° - 53 feet  
END AT \_\_\_\_\_

START AT 76  
GO 141° - 75 feet  
GO 272° - 47 feet  
END AT \_\_\_\_\_

START AT 77  
GO 310° - 48 feet  
GO 155° - 86 feet  
END AT \_\_\_\_\_

START AT 78  
GO 81° - 45 feet  
GO 212° - 84 feet  
END AT \_\_\_\_\_

START AT 79  
GO 345° - 43 feet  
GO 173° - 95 feet  
END AT \_\_\_\_\_

START AT 80  
GO 12° - 42 feet  
GO 186° - 84 feet  
END AT \_\_\_\_\_

START AT 81  
GO 230° - 65 feet  
GO 78° - 51 feet  
END AT \_\_\_\_\_

START AT 82  
GO 85° - 46 feet  
GO 226° - 64 feet  
END AT \_\_\_\_\_

START AT 83  
GO 329° - 47 feet  
GO 161° - 75 feet  
END AT \_\_\_\_\_

START AT 84  
GO 91° - 45 feet  
GO 221° - 68 feet  
END AT \_\_\_\_\_

START AT 85  
GO 190° - 73 feet  
GO 29° - 26 feet  
END AT \_\_\_\_\_

START AT 86  
GO 76° - 40 feet  
GO 214° - 69 feet  
END AT \_\_\_\_\_

START AT 87  
GO 288° - 52 feet  
GO 131° - 67 feet  
END AT \_\_\_\_\_

START AT 88  
GO 151° - 81 feet  
GO 316° - 57 feet  
END AT \_\_\_\_\_

START AT 89  
GO 270° - 21 feet  
GO 165° - 82 feet  
END AT \_\_\_\_\_

START AT 90  
GO 63° - 28 feet  
GO 197° - 88 feet  
END AT \_\_\_\_\_

START AT 91  
GO 210° - 75 feet  
GO 85° - 37  
END AT \_\_\_\_\_

START AT 92  
GO 166° - 90 feet  
GO 325° - 39 feet  
END AT \_\_\_\_\_

START AT 93  
GO 228° - 66 feet  
GO 117° - 55 feet  
END AT \_\_\_\_\_

START AT 94  
GO 131° - 61 feet  
GO 243° - 51 feet  
END AT \_\_\_\_\_

START AT 95  
GO 305° - 29 feet  
GO 162° - 77 feet  
END AT \_\_\_\_\_

START AT 96  
GO 49° - 44 feet  
GO 198° - 104 feet  
END AT \_\_\_\_\_

START AT 97  
GO 243° - 55 feet  
GO 113° - 53 feet  
END AT \_\_\_\_\_

START AT 98  
GO 114° - 51 feet  
GO 226 - 65 feet  
END AT \_\_\_\_\_

START AT 99  
GO 69° - 40 feet  
GO 208° - 78 feet  
END AT \_\_\_\_\_

START AT 100  
GO 163° - 62 feet  
GO 208° - 38 feet  
END AT \_\_\_\_\_

START AT 0  
GO 315° - 51 feet  
GO 47° - 50 feet  
END AT \_\_\_\_\_

Additional copies available at <http://www.geocities.com/byrdscouter/>

### PLAYING FIELD DIMENSIONS

