## Beginner's Compass Game (course is permanently set up at Camp Brighton Woods)

This activity is recommended for Juniors and up as a fun way to get their bearings as they learn how to navigate with an orienteering compass. To play, the participant must be able to find a direction with a compass when given a bearing. No pacing of distances is necessary.

The course consists of 8 labeled cones carefully placed in a large circle. While playing the game, all players are contained by the circle.

Care must be taken to insure that magnetic influences are not present.

## Kit Contents

## Leader Guide

$\square 8$ labeled cones
$\square$ Pencils and pencil sharpener
$\square$ Laminated copies of the Game Paper Sheets
Laminated copies of the Answer Sheet
$\square$ Back-up baggie of Game Papers (Note: Please provide your own Game Papers by photocopying the provided Game Papers sheets and cutting it into pieces. Each set makes 90 papers and each girl receives one at a time. If you run out or forget to copy your own Game Papers, you may use those provided in the kit, but you must make new Game Papers to replace them. You can also print papers from pages 5-7 of the online Leader Guide here:
http://www.gscnc.org/files/pdf/program/kits/CompassGame.pdf)


Note: This kit does not include compasses. You will need to provide your own orienteering compasses. Any orienteering compass is fine. Look for a clear base plate, rotating housing, direction of travel arrow(s) and some version of a "Read Bearing Here" mark. GSCNC has a Compass Kit which can be requested separately using the c360 Program Kit Request form which can be found here: http://www.gscnc.org/kits.html.

This kit is designed for use at Camp Brighton Woods. The Compass Game is permanently set up in the Sports Field in front of Meadowside Lodge. Look for the 8 pavers which are slightly buried in the grass around the flag pole. To use this already-set-up course, simply place the included cones on the appropriately labeled pavers.


## Setting Up the Game

- Photocopy the Game Papers sheets and cut them into pieces. (This kit contains a baggie of backup Game Papers for play in case you run out or forget to make your own. Plan on using your own papers. If you need to use those in the backup baggie, please remember to make new Game Papers to replace them.)
- Place the labeled cones on the appropriately labeled pavers, with the letters facing toward the center.
- Place a sharpened pencil at each cone. The pencil should remain at the cone during the game - girls should not carry them from cone to cone.


## Playing the Game

- Each participant receives one Game Paper at a time.
- This paper tells the players their starting positions as well as the bearings which direct them from cone to cone around the course.
- Each player copies down the letter on each cone along their route on the back of the Game Paper.
- The six letter code word thus produced is checked against the respective code word on the Answer Sheet.
- Not two Game Papers describe the same route.


## EXAMPLE

A player receives the following Game Paper:

| 66 | $E$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 26 | 136 | 342 | 242 | 78 |

66 This is Game Paper \#66. No other Game Paper will have the same information.

E This player must start at the cone labeled " $E$ ".
26 At cone E , the player follows a bearing of $26^{\circ}$ which will lead to the next cone on the route, " O ".

136 At the next cone ("O"), the player sets a bearing of $136^{\circ}$ and continues this pattern until arriving at the $6^{\text {th }}$ cone indicated by the bearing $78^{\circ}$, the last bearing on this Game Paper.

The code word produced (EOTXIL) is checked on the answer sheet for Game Paper \#66.


## Setting Up Your Own Game

This kit can also be used to play the game on a course you set up on your own. Use the directions below to set up your play area. Note: You will need a tape measure (or a $30^{\prime}-50^{\prime}$ piece of string) and an unlabeled ground stake.

- Place the stake in the ground in the center of the area which will be used for laying out the course. (After the game is set up, the stake is no longer needed.)
- Attach the measuring tape or string (no more than 50 feet long) to the center stake.
- Working from the center stake each time, set the compass bearings as indicated below.

| $\mathrm{X}-32^{\circ}$ | $\mathrm{L}-64^{\circ}$ | $\mathrm{T}-112^{\circ}$ | $\mathrm{P}-148^{\circ}$ | $\mathrm{A}-180^{\circ}$ | $\mathrm{E}-252^{\circ}$ | $\mathrm{I}-272^{\circ}$ | $\mathrm{O}-340^{\circ}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

- Place the lettered cone, according to its bearing, as illustrated, with the letter facing toward the center.
- Each cone must be the same distance (radius) from the center as every other cone.
- The radius of the course may be changed to suit the available space.



## GAME PAPER SHEET 1

| \#1 |  |  | A |  | \#11 |  |  | I |  | \#21 |  |  | X |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 196 |  |  | 316 |  | 26 | 154 | 0 | 162 | 242 | 36 | 136 | 358 | 212 |
| \#2 |  |  | E |  | \#12 |  |  | 0 |  | \#22 |  |  | L |  |
| 52 | 138 | 258 | 120 | 254 | 136 | 358 |  | 18 180 | 180300 | 292 |  | 56 | 220 | 300 |
| \#3 |  |  | I |  | \#13 |  |  | X |  | \#23 |  |  | T |  |
| 102 | 272 |  | 334 | 112 | 180 | 290 | 26 | 621 | 21678 | 342 | 196 | 32 | 196 | 334 |
| \#4 |  |  | 0 |  | \#14 |  |  | L |  | \#24 |  |  | P |  |
| 136 | 236 | 322 | 258 | 62 | 196 | 40 |  | 26 | 62276 |  | 138 | 292 | 206 | 126 |
| \#5 |  |  | 区 |  | \#15 |  |  | T |  | \#25 |  |  | A |  |
| 242 | 78 | 248 | 110 | 40 | 316 | 206 | 68 | 818 | 196300 | 350 | 206 | 52 | 138 | 196 |
| \#6 |  |  | L |  | \#16 |  |  | P |  | \#26 |  |  | E |  |
| 292 | 154 | 300 | 136 | 6306 | 334 | 216 |  | 102 | 27268 | 92 | 358 | 258 | 136 | 16 |
| \#7 |  |  | T |  | \#17 |  |  | A |  | \#27 |  |  | 1 |  |
| 22 | 300 | 78 | 318 |  | 316 | 120 |  | 02 | 23226 | 136 | 16 | 180 | 334 | 112 |
| \#8 |  |  | P |  | \#18 |  |  | E |  | \#28 |  |  | 0 |  |
| 16 | 258 | 62 | 232 | 126 | 352 | 62 | 19 | 63 | 350112 | 206 | 52 | 180 | 40 | 358 |
| \#9 |  |  | A |  | \#18 |  |  | 1 |  | \#29 |  |  | X |  |
| 74 | 16 | 3181 | 162 | 316 | 36 | 170 | 74 |  | 0232 | 138 | 248 | 126 | 74 | 334 |
| \#10 |  |  | E |  | \#20 |  |  | 0 | 0 | \#30 |  |  | L |  |
| 68 |  |  |  |  |  |  | 24 | 12 | 172110 | 318 | 242 | 136 | 74 | 40 |

## GAME PAPER SHEET 2

| \#31 |  | T |  | \#41 | A |  |  | \#51 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 272 | 126 | 74334 | 112 | 306352 | 102 | 316 | 154 | 36 |  | 22016 |  | 248 |
| \#32 |  | P |  | \#42 | E |  |  | \#52 |  | 0 |  |  |
| 290 | 352 | 136350 | 136 | 92342 | 196 | 350 | 216 | 96 |  | 1204 | 40 | 236 |
| \#33 |  | A |  | \#43 | 1 |  |  | \#53 |  | X |  |  |
| 32 | 318 | 23292 | 220 | 78292 | 1363 | 342 | 180 | 232 | 352 | 781 |  | 334 |
| \#34 |  | E |  | \#44 | 0 |  |  | \#54 |  | L |  |  |
| 92 | 236 | 350216 | 120 | 206352 | 120 | 254 | 416 | 258 |  | 206 |  | 220 |
| \#35 |  | I |  | \#45 | X | I |  | \#55 |  | T |  |  |
| 120 | 290 | 92236 | 350 | 138178 | 236 | 306 | 26 | 220 |  | 206 | 52 | 242 |
| \#36 |  | 0 |  | \#46 | L | L |  | \#56 |  | P |  |  |
| 112 | 212 | 7440 | 342 | 25862 | 162 | 272 | 126 |  |  | 9623 | 32 |  |
| \#37 |  | X |  | \#47 | T | T |  | \#57 |  | A |  |  |
| 196 | 74 | 16178 | 316 | 236350 | 206 | 52 | 138 |  |  | 282 | 62 |  |
| \#38 |  | L |  | \#48 | P | P |  | \#58 |  | E |  |  |
| 212 | 306 | 110300 | 36 | 33496 | 19656 | 56 | 358 | 352 |  | 254 |  | 276 |
| \#39 |  | T |  | \#49 | A | A |  | \#59 |  | I |  |  |
| 316 | 112 | 258172 | 52 | 74334 | 136 | 282 | 78 | 36 | 112 | 248 |  | 56 |
| \#40 |  | P |  | \#50 | E | , |  | \#60 |  | 0 |  |  |
| 16 | 248 | 352136 | 56 | 68196 | 2541 | 162 | 276 | 170 | 56 | 220 |  | 258 |

## GAME PAPER SHEET 3



## ANSWER SHEET

| 1 ALPETO <br> $32196 \quad 290$ | $92 \quad 316$ | $\begin{aligned} & 21 \times I O T L \\ & 242 \quad 36 \quad 1 \end{aligned}$ | LA $136$ | 358 | 212 | $\begin{aligned} & 41 \\ & 306 \end{aligned}$ | AEIT $352$ | $\begin{aligned} & \text { TOP } \\ & 102 \end{aligned}$ | 316 | 154 | $\begin{aligned} & 61 \\ & 162 \end{aligned}$ | XTOP $316$ | PLI $154$ | $16$ | $258$ |  | $\begin{aligned} & \text { AIXOLP } \\ & 62 \quad 276 \end{aligned}$ | $112$ | 196 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{cll} 2 & \text { EXLIPA } \\ 52 & 138 & 258 \\ \hline \end{array}$ | $120 \quad 254$ | $\begin{aligned} & 22 \text { LOATP } \\ & 292170 \end{aligned}$ | PI <br> 56 | 220 | 300 | $\begin{aligned} & 42 \\ & 92 \end{aligned}$ | ETXA <br> 342 | $\begin{gathered} A O I \\ 196 \end{gathered}$ | 350 | 216 | $\begin{aligned} & 62 \\ & 212 \end{aligned}$ | $\begin{gathered} \text { LAXT } \\ 16 \end{gathered}$ | $\begin{aligned} & -E O \\ & 162 \end{aligned}$ | $272$ | 26 | $\begin{aligned} & 82 \\ & 92 \end{aligned}$ | ETPIOA $220300$ | 36 | 170 |
| $$ | 334112 | 23 TXALP <br> 342196 |  | 196 | 334 | $\begin{aligned} & 43 \\ & 78 \end{aligned}$ | ILOT <br> 292 | $\begin{aligned} & \text { TXP } \\ & 136 \end{aligned}$ | 342 | 180 | $63$ $358$ | TLAP $212$ | $74$ | $0$ | 232 | $83$ $78$ | ILXATO $318196$ | 56 | 316 |
| 4 OTALIX $136 \quad 236 \quad 32$ | $25962$ | $\begin{array}{ccc} 24 & \text { PXLOE } \\ 0 & 138 & 29 \end{array}$ |  | 206 | 126 | $44$ $206$ | $\begin{gathered} \text { OEIP } \\ 352 \end{gathered}$ | PAX | 254 | 16 | $64$ $254$ | PAIE $316$ | TL $172$ | $92$ | 358 | $84$ $216$ | OITAEL $102236$ | $306$ | $68$ |
| 5 XILEPT <br> 24278248 | $11040$ | $\begin{array}{ll} 25 & \text { AOEXL } \\ 350 & 206 \end{array}$ |  | 138 | 196 | $\begin{aligned} & 45 \\ & 138 \end{aligned}$ | $\begin{gathered} \text { XLTA } \\ 178 \end{gathered}$ | $\begin{aligned} & \text { AEO } \\ & 236 \end{aligned}$ | 306 | 26 | $\begin{aligned} & 65 \\ & 350 \end{aligned}$ | $\begin{gathered} \text { AOPT } \\ 154 \end{gathered}$ |  |  | 318 | $\begin{aligned} & 85 \\ & 196 \end{aligned}$ | $\begin{aligned} & \text { XAILOT } \\ & 316 \quad 78 \end{aligned}$ | $292$ | 136 |
| 6 LOPIAE <br> 292154300 | $136306$ | $\begin{array}{cl} 26 & \text { ETLIA } \\ 92 & 358 \end{array}$ |  | 136 | 16 | $46$ | LIXT <br> 62 | $\begin{gathered} \text { TEA } \\ 162 \end{gathered}$ | 272 | 126 | $66$ $26$ |  |  | $242$ | 78 | 86 $248$ | $52180$ | $40$ | 236 |
| 7 TPILXO 22030078 | $318 \quad 276$ | 27 IAXPO 136161 |  | 334 | 112 | $\begin{aligned} & 47 \\ & 236 \end{aligned}$ | TAOE <br> 350 | EXL 206 | 52 | 138 | $\begin{gathered} 67 \\ 172 \end{gathered}$ | $126$ |  | $180$ | 40 | $\begin{aligned} & 87 \\ & 236 \end{aligned}$ | TAPIXE <br> 74300 | $62$ | 232 |
| 8 PLIXEA <br> $16 \quad 258 \quad 62 \quad 2$ | $232 \quad 126$ | $\begin{aligned} & 28 \text { OEXPT } \\ & 206 \quad 52 \quad 1 \end{aligned}$ |  | 40 | 358 | $\begin{aligned} & 48 \\ & 334 \end{aligned}$ | $P O X A$ <br> 96 | ATL $196$ | 56 | 358 | 68 $136$ | $\begin{aligned} & \hline \text { OTPE } \\ & 220 \end{aligned}$ | AX <br> 290 | $126$ | $16$ | $88$ $01$ | $\begin{gathered} \text { PXTIAE } \\ 162282 \end{gathered}$ | $136$ | 306 |
| 9 APLXTO <br> $\begin{array}{llll}74 & 16 & 318 & 1\end{array}$ | $162316$ | $\begin{aligned} & 29 \text { XLEAP } \\ & 138248 \end{aligned}$ |  | 74 | 334 | $\begin{gathered} 49 \\ 74 \end{gathered}$ | $\begin{aligned} & \text { APOT } \\ & 334 \end{aligned}$ | TIL $136$ | 282 | 78 | $\begin{aligned} & 69 \\ & 180 \end{aligned}$ | XPOE $334$ |  | $92$ | 236 | $\begin{aligned} & 89 \\ & 350 \end{aligned}$ | $\begin{aligned} & \text { AOXEIT } \\ & 96 \quad 232 \end{aligned}$ | 352 | 102 |
| 10 ELOIXP 68292216 | $62 \quad 180$ | $\begin{array}{cc} 30 \quad \text { LXIAP } \\ 318 \quad 242 \end{array}$ |  | $74$ | 40 | $\begin{aligned} & 50 \\ & 68 \end{aligned}$ | $\begin{aligned} & \text { ELPAX } \\ & 196 \end{aligned}$ |  | 16 | 276 | $\begin{aligned} & 70 \\ & 212 \end{aligned}$ | $\begin{gathered} \text { LAPO } \\ 74 \end{gathered}$ |  | $136$ | 282 | $\begin{gathered} 90 \\ 52 \end{gathered}$ | $\begin{aligned} & \text { EXOALT } \\ & 276 \quad 170 \end{aligned}$ | $32$ | 178 |
| 11 IEOPXT 17226154 | 0162 | 31 TEAPO $272 \quad 126$ |  | $334$ | 112 | $\begin{gathered} 51 \\ 36 \end{gathered}$ | IOTP <br> 136 | $220$ |  | 248 | $\begin{aligned} & 71 \\ & 358 \end{aligned}$ | $\begin{array}{r} \text { TLEO } \\ 248 \end{array}$ | $26$ | $96$ | $180$ |  |  |  |  |
| 12 OTLXPI <br> 136358318 | $180300$ | $\begin{array}{ll} 32 & \text { PEIAO } \\ 290 & 352 \end{array}$ |  | 350 | 136 | $\begin{aligned} & 52 \\ & 96 \end{aligned}$ | $\begin{aligned} & \text { OXIP } \\ & 242 \end{aligned}$ | TA <br> 120 | $40$ | 236 | $\begin{aligned} & 72 \\ & 300 \end{aligned}$ | $\begin{gathered} \text { PIOX } \\ 36 \end{gathered}$ | $96$ | $232$ | $68$ |  |  |  |  |
| 13 XPEOIL $180 \quad 290 \quad 26$ | $216 \quad 78$ | $\begin{array}{cc} 33 & \text { ALXET } \\ 32 & 318 \end{array}$ |  | $92$ | 220 | $\begin{aligned} & 53 \\ & 232 \end{aligned}$ | $\begin{gathered} \text { XEILF } \\ 352 \end{gathered}$ | $\begin{array}{r} -P O \\ 78 \end{array}$ | $196$ | 334 | $\begin{gathered} 73 \\ 32 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { ALIX } \\ & 258 \end{aligned}$ | $\begin{aligned} & \text { KP } \\ & 62 \end{aligned}$ | $232$ | $110$ |  |  |  |  |
| 14 LPTIXO 19640282 | $62 \quad 276$ | $\begin{array}{lll} 34 & \text { ETAOI } \\ 92 & 236 & 35 \end{array}$ | $\begin{aligned} & I P \\ & 350 \end{aligned}$ | $216$ |  | $\begin{aligned} & 54 \\ & 258 \end{aligned}$ | $\begin{gathered} \text { LIOE } \\ 36 \end{gathered}$ | $\begin{aligned} & \text { ETP } \\ & 206 \end{aligned}$ | $92$ |  | 74 92 | $\begin{aligned} & \text { ETO } \\ & 315 \end{aligned}$ | $\begin{aligned} & \text { XAI } \\ & 96 \quad 1 \end{aligned}$ | $196$ | $316$ |  |  |  |  |
| $\begin{array}{lll} 15 & \text { TOELPI } \\ 316 & 206 & 68 \end{array}$ | $196300$ | $\begin{array}{ll} 35 & \text { IPETA } \\ 120 & 290 \end{array}$ | $92$ | 236 | 350 | $\begin{aligned} & 55 \\ & 220 \end{aligned}$ | TPOE <br> 334 | $\begin{aligned} & \text { EXI } \\ & 206 \end{aligned}$ | $52$ | 242 | $\begin{gathered} 75 \\ 36 \end{gathered}$ | $\begin{aligned} & \text { IOPX } \\ & 154 \end{aligned}$ | $\begin{gathered} \langle A E \\ 0 \end{gathered}$ | $196$ |  |  |  |  |  |
| 16 POITEL 334216102 | $27268$ | $\begin{aligned} & 36 \text { OLAPT } \\ & 112 \quad 212 \end{aligned}$ | $\begin{gathered} T X \\ 74 \end{gathered}$ | 40 | 342 | $\begin{gathered} 56 \\ 16 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { PLOX } \\ & 292 \end{aligned}$ | $\begin{aligned} & \text { XEA } \\ & 96 \end{aligned}$ | $232$ | 126 | $\begin{aligned} & 76 \\ & 136 \end{aligned}$ | $\begin{aligned} & \text { OTIA } \\ & 282 \end{aligned}$ | $136$ | $32$ | $248$ |  |  |  |  |
| $\begin{aligned} & 17 \text { AIPXEO } \\ & 316 \quad 120 \quad 0 \end{aligned}$ | 23226 | $\begin{aligned} & 37 \times \text { XPLT } \\ & 196 \quad 74 \quad 1 \end{aligned}$ | $161$ | $178$ | 316 | $\begin{gathered} 57 \\ 32 \\ \hline \end{gathered}$ | ALTIX <br> 178 | $\begin{aligned} & \hline \text { IXE } \\ & 282 \end{aligned}$ | $62$ | 232 | $\begin{aligned} & 77 \\ & 276 \end{aligned}$ | $170$ | $\begin{array}{r} \text { LTI } \\ 32 \end{array}$ | $178$ | $282$ |  |  |  |  |
| 18 EIXAOL 35262196 | $350 \quad 112$ | $\begin{aligned} & 38 \quad \text { LAEPI } \\ & 212306 \end{aligned}$ | $110$ | $300$ | 36 | $\begin{aligned} & 58 \\ & 352 \end{aligned}$ | $\begin{gathered} \text { EIPA }) \\ 120 \end{gathered}$ | $\begin{aligned} & 1 \times 0 \\ & 254 \end{aligned}$ | $16$ | 276 | $\begin{aligned} & 78 \\ & 92 \end{aligned}$ | $\begin{aligned} & \text { ETPX } \\ & 220 \end{aligned}$ | $\begin{aligned} & E I \\ & 0 \end{aligned}$ | $2323$ | 352 |  |  |  |  |
| 19 IOAPXE <br> $36 \quad 170 \quad 74$ | $0232$ | $\begin{aligned} & 39 \text { TOLIE } \\ & 316 \quad 112: \end{aligned}$ | $\begin{aligned} & E X \\ & 258 \end{aligned}$ | $172$ | 52 | $\begin{gathered} 59 \\ 36 \end{gathered}$ | $\begin{aligned} & \text { IOLE } \\ & 112 \end{aligned}$ | $\begin{aligned} & E A T \\ & 248 \end{aligned}$ | $126$ | 56 | $\begin{aligned} & 79 \\ & 282 \end{aligned}$ | TILPA <br> 78 | $\begin{aligned} & A O \\ & 196 \end{aligned}$ | $254$ | 350 |  |  |  |  |
| 20 OAXIEP <br> $17016 \quad 242$ | $172110$ | $\begin{array}{rl} 40 & \text { PLEIA } \\ 16 & 248 \end{array}$ | $352$ | 136 | 56 | 60 170 | $\begin{gathered} \text { OATP } \\ 56 \end{gathered}$ | $\begin{aligned} & \text { PLI } \\ & 220 \end{aligned}$ |  | 258 | $\begin{array}{ll} 80 & f \\ 16 & 3 \end{array}$ | $\begin{aligned} & \text { PLXT } \\ & 318 \end{aligned}$ | $\begin{aligned} & \text { CA } \\ & 162 \end{aligned}$ | $316$ | $170$ |  |  |  |  |



NAME: $\qquad$

## Starting Point No. 3

Go 38 degrees for 125 feet
Then 237 degrees for 90 feet
Then 187 degrees for 50 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$ (Supplied by leader)

## SCORE

(Score for correct finish is 100 . Deduct 5 points for each marker player missed correct destination.)

- $N m$ J $\ln \omega \mathrm{N} \infty \mathrm{o}$

| $\equiv \approx \sum \underline{m} \begin{array}{r} \text { GSORE CARD } \\ \text { for } \\ \text { COMPASS COURSE } \end{array}$ |  |
| :---: | :---: |
| NAME: |  |
| Starting Point No. 2 |  |
|  | Go 17 degrees |
|  | Then 150 degrees for 52 fe |
|  | Then 171 degrees for 55 fe |
| DESTINATION <br> (Number of nearest marker reached) |  |
|  |  |
| CORRECT DESTINATION $\qquad$ <br> (Supplied by leader) |  |
| SCORE <br> (Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.) |  |
|  |  |
|  | $-N \mathrm{mj} \ln 0 \sim \infty$ |

```
DESTINATION
(Number of nearest marker reached)
CORRECT DESTINATION
``` \(\qquad\)
``` (Supplied by leader)
SCORE
(Score for correct finish is 100. Deduct 5 points for each marker player missed correct destination.)
\(-N M J \ln \quad 0 \sim \infty \sigma O\)
```


$\sim \sim \sim$


|  |
| :---: |
| NAME: |
| Starting Point No. 6 Go 3 degrees for 100 feet Then 132 degrees for 74 feet Then 225 degrees for 71 feet |
| DESTINATION <br> (Number of nearest marker reached) |
| CORRECT DESTINATION (Supplied by leader) |
| SCORE <br> (Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.) |
| - NMJJ Jormjor |


|  |
| :---: |
| NAME: |
| Starting Point No. 8 Go 346 degrees for 102 feet Then 129 degrees for 78 feet Then 212 degrees for 59 feet |
| DESTINATION <br> (Number of nearest marker reached) |
| CORRECT DESTINATION (Supplied by leader) |
| SCORE <br> (Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.) |
| - NMJthentos |



|  |  |
| :---: | :---: |
| NAME: |  |
| Starting Point No. 11 Go 335 degrees for 109 feet Then 174 degrees for 50 feet Then 144 degrees for 61 feet |  |
| DESTINATION <br> (Number of nearest marker reached) |  |
| CORRECT DESTINATION $\qquad$ <br> (Supplied by leader) |  |
| SCORE <br> (Score for correct finish is 100 . Deduct 5 points for each marker player missed correct destination.) |  |
|  | $N \mathrm{M}+\mathrm{ln} 0 \times \infty$ or |

$$
\begin{aligned}
=\simeq M & =\sim S C O R E C A R D \\
\text { for } & =N \leq N \\
& \text { COMPASS COURSE }
\end{aligned}
$$

NAME: $\qquad$
Starting Point No. 10
Go 343 degrees for 104 feet
Then 141 degrees for 64 feet
Then 145 degrees for 61 feet
DESTINATION
(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$ (Supplied by leader)

SCORE
(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

$$
\begin{gathered}
=\sim \pm \pm \begin{array}{l}
\text { SCORE CARD } \\
\text { for } \\
\text { COMPASS COURSE }
\end{array}
\end{gathered}
$$

## NAME:

$\qquad$
Starting Point No. 12
Go 348 degrees for 102 feet
Then 135 degrees for 71 feet
Then 206 degrees for 55 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$ (Supplied by leader)

## SCORE

(Score for correct finish is 100 . Deduct 5 points for each marker player missed correct destination.)


|  |
| :---: |
| NAME: |
| Starting Point No. 13 Go 17 degrees for 104 feet Then 237 degrees for 90 feet Then 142 degrees for 65 feet |
| dEstination <br> (Number of nearest marker reached) |
| CORRECT DESTINATION (Supplied by leader) |
| SCORE <br> (Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.) |
|  |



```
= Nmy SCORECARD
~~M_ for v revos
```

NAME:
Starting Point No. 14
Go 333 degrees for 112 feet
Then 174 degrees for 50 feet
Then 141 degrees for 64 feet
DESTINATION
(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)
SCORE
(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)


## $=N \sum \pm \underset{\sim}{\sim}$ COMPASS COURSE

NAME: $\qquad$
Starting Point No. 16
Go 9 degrees for 101 feet
Then 231 degrees for 78 feet
Then 164 degrees for 53 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)
SCORE
(Score for correct finish is $\overline{100 \text {. Deduct } 5 \text { points }}$ for each marker player missed correct destination.)

$$
\begin{aligned}
& \left.=\sim N \pm \leq \begin{array}{c}
\text { SCORECARD } \\
\text { for }
\end{array}\right] \infty \pi \\
& \text { COMPASS COURSE }
\end{aligned}
$$

NAME:
Starting Point No. 17
Go 333 degrees for 112 feet
Then 197 degrees for 51 feet
Then 168 degrees for 52 feet
DESTINATION
(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)
SCORE
(Score for correct finish is 100 . Deduct 5 points for each marker player missed correct destination.)

$$
\begin{aligned}
& =\simeq \pm \leq \text { USCORECARD } \leq \pm \leq \\
& \text { COMPASS COURSE }
\end{aligned}
$$

NAME: $\qquad$
Starting Point No. 18
Go 326 degrees for 119 feet
Then 145 degrees for 61 feet
Then 190 degrees for 50 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$ (Supplied by leader)

## SCORE

(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

$$
\begin{gathered}
=\sim \pm \leq \begin{array}{l}
\text { USCORECARD } \\
\text { for } \\
\text { COMPASS COURSE }
\end{array}
\end{gathered}
$$

NAME: $\qquad$

## Starting Point No. 20

Go 322 degrees for 125 feet Then 186 degrees for 50 feet
Then 128 degrees for 79 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)

## SCORE

(Score for correct finish is 100 . Deduct 5 points for each marker player missed correct destination.)


## COMPETITIVE COMPASS GAME

This compass game is designed to help teach elementary compass requirements so that it is both fun and simple.

## LAYOUT OF COURSE

First, measure out a step course 100 feet long (or 200 feet long if space permits), to check the players' step-length. Then place twenty markers five feet apart on a straight East-West line. Number the markers consecutively from 1 to 20, with number 1 on the marker farthest West. An alternate method is to fasten tags five feet apart on a rope and (Number the tags consecutively from I to 20. Then all that is necessary to set up the course is to stretch the rope in an East-West direction with (Number 1 on the West end.

## EQUIPMENT NEEDED

Each player will need a score card, a pencil and a compass.

## PRELIMINARY INSTRUCTION TO PLAYERS

Permit each player to check the length of his step over the measured step course. To make calculation of distance easy, he should learn to take steps while measuring that are either 2 feet, 2.5 feet or 3 feet long. Explain how to use the compass. With the compass, turn the dial to the desired degree reading. Then, without changing the dial setting, hold the compass in such a direction that the magnetized needle points to "N". When held in that manner, the arrow on the transparent plate points in the correct direction to walk.

## PLAYING THE GAME

Start each player at the marker that corresponds with the "Starting Point" on his score card. Players will then travel according to the degrees and distances indicated. When the player has traveled the course, he will write on his score card the number of the marker nearest to the actual destination he has reached.

## THE SCORE

The correct destination of each course is shown on the reverse side of this card. (Note: each destination is within one foot of being mathematically correct.) If the player reaches a correct destination, his score is 100 for that course. Otherwise deduct five points for each marker missed from the correct one. For example, if player on course No. 4 finishes at (or nearest to) No. 11, he missed the correct destination (No. 8) by three markers and his score for the course is 85.

| Sartring <br> point | Correct <br> Destination | Slaring <br> Point | Correct <br> Desination |
| :---: | :---: | :---: | :---: |
| 1 | 7 | 11 | 10 |
| 2 | 15 | 12 | 13 |
| 3 | 2 | 13 | 12 |
| 4 | 8 | 14 | 13 |
| 5 | 16 | 15 | 13 |
| 6 | 8 | 16 | 10 |
| 7 | 8 | 17 | 6 |
| 8 | 9 | 18 | 10 |
| 9 | 15 | 19 | 12 |
| 10 | 19 | 20 | 16 |

> SCORE CARD
> for COMPASS COURSE

NAME:

## Starting Point No. 1

Go 36 degrees for 122 feet Then 156 degrees for 54 feet Then 233 degrees for 82 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)

## SCORE

(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

## SCORE CARD for COMPASS COURSE

NAME:

## Starting Point No. 3

Go 38 degrees for 125 feet
Then 237 degrees for 90 feet
Then 187 degrees for 50 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)

## SCORE

(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

```
SCORE CARD
    for
COMPASS COURSE
```

NAME: $\qquad$

## Starting Point No. 2

Go 17 degrees for 104 feet
Then 150 degrees for 52 feet
Then 171 degrees for 55 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)
SCORE
(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

## SCORE CARD <br> for COMPASS COURSE

NAME: $\qquad$

## Starting Point No. 4

Go 36 degrees for 122 feet
Then 174 degrees for 50 feet
Then 229 degrees for 75 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)
SCORE
(Score for correct finish is $\overline{100 . \text { Deduct } 5}$ points for each marker player missed correct destination.)

# SCORE CARD <br> for <br> COMPASS COURSE 

NAME:

Starting Point No. 5
Go 22 degrees for 107 feet
Then 158 degrees for 54 feet
Then 186 degrees for 49 feet
DESTINATION
(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)
SCORE
(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

## SCORE CARD <br> for COMPASS COURSE

NAME:

Starting Point No. 6
Go 3 degrees for 100 feet
Then 132 degrees for 74 feet
Then 225 degrees for 71 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)
SCORE
(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

## SCORE CARD <br> for <br> COMPASS COURSE

NAME:
Starting Point No. 7
Go 34 degrees for 119 feet
Then 186 degrees for 50 feet
Then 229 degrees for 75 feet
DESTINATION
(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)
SCORE
(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

## SCORE CARD <br> for COMPASS COURSE

NAME: $\qquad$
Starting Point No. 8
Go 346 degrees for 102 feet
Then 129 degrees for 78 feet
Then 212 degrees for 59 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)

## SCORE

(Score for correct finish is 100 . Deduct 5 points for each marker player missed correct destination.)

> SCORE CARD
> for COMPASS COURSE

NAME:

## Starting Point No. 9

Go 346 degrees for 102 feet Then 129 degrees for 78 feet Then 187 degrees for 50 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)

## SCORE

(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

## SCORE CARD <br> for COMPASS COURSE

NAME:

## Starting Point No. 11

Go 335 degrees for 109 feet
Then 174 degrees for 50 feet
Then 144 degrees for 61 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)

## SCORE

(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

## SCORE CARD <br> for COMPASS COURSE

NAME: $\qquad$

## Starting Point No. 10

Go 343 degrees for 104 feet
Then 141 degrees for 64 feet
Then 145 degrees for 61 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)
SCORE
(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

## SCORE CARD <br> for COMPASS COURSE

NAME: $\qquad$

## Starting Point No. 12

Go 348 degrees for 102 feet
Then 135 degrees for 71 feet
Then 206 degrees for 55 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)
SCORE
(Score for correct finish is 100 . Deduct 5 points for each marker player missed correct destination.)

```
SCORE CARD
for COMPASS COURSE
```

NAME:

Starting Point No. 13
Go 17 degrees for 104 feet
Then 237 degrees for 90 feet
Then 142 degrees for 65 feet
DESTINATION
(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)

## SCORE

(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

## SCORE CARD <br> for COMPASS COURSE

NAME:

## Starting Point No. 15

Go 12 degrees for 101 feet Then 237 degrees for 90 feet Then 138 degrees for 67 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)
SCORE
(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

## SCORE CARD for COMPASS COURSE

## NAME:

$\qquad$

## Starting Point No. 14

Go 333 degrees for 112 feet
Then 174 degrees for 50 feet
Then 141 degrees for 64 feet
DESTINATION
(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)

## SCORE

(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

## SCORE CARD for COMPASS COURSE

NAME: $\qquad$

## Starting Point No. 16

Go 9 degrees for 101 feet
Then 231 degrees for 78 feet
Then 164 degrees for 53 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)
SCORE
(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

## SCORE CARD <br> for COMPASS COURSE

NAME:

Starting Point No. 17
Go 333 degrees for 112 feet
Then 197 degrees for 51 feet
Then 168 degrees for 52 feet
DESTINATION
(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)

## SCORE

(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

## SCORE CARD <br> for COMPASS COURSE

NAME:

## Starting Point No. 19

Go 326 degrees for 119 feet Then 186 degrees for 50 feet Then 143 degrees for 61 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)
SCORE
(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

## SCORE CARD for COMPASS COURSE

## NAME:

$\qquad$

## Starting Point No. 18

Go 326 degrees for 119 feet
Then 145 degrees for 61 feet
Then 190 degrees for 50 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)
SCORE
(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)

## SCORE CARD for COMPASS COURSE

NAME: $\qquad$
Starting Point No. 20
Go 322 degrees for 125 feet
Then 186 degrees for 50 feet
Then 128 degrees for 79 feet

## DESTINATION

(Number of nearest marker reached)
CORRECT DESTINATION $\qquad$
(Supplied by leader)
SCORE
(Score for correct finish is $\overline{100 \text {. Deduct } 5}$ points for each marker player missed correct destination.)



