

CORRECT DESTINATIONS
Of compass courses on accompanying score cards

Starting Point	Correct Destination	Starting Point	Correct Destination
1	10	13	14
2	14	14	12
3	16	15	11
4	6	16	10
5	9	17	16
6	5	18	14
7	11	19	10
8	15	20	10
9	5	21	22
10	5	22	21
11	15	23	18
12	15	24	19
		25	14

COMPETITIVE COMPASS GAME

This compass game is designed to teach the elementary compass skills for taking bearings and step counting.

LAYOUT OF COURSE

First, measure a step course 50 meters (500cm) long, preferably over flat and clear terrain on an East-West line. Place markers at 2 meter intervals and number them consecutively from 1-25, with marker number 1 at the west end of the course. An alternate method is to fasten tags 2 meters apart on a 50 meter rope and number the tags consecutively from 1 to 25. Stretch the rope in an East-West direction with the number 1 on the West end.

EQUIPMENT NEEDED:

Each player will need a score card, a pencil and a compass, preferably a SILVA system compass like the Type 7 POLARIS or the Boy Scout Type 1070.

PRELIMINARY INSTRUCTIONS TO PLAYERS:

Have each player determine their metric step requirements for the 50 meter course by walking the length of the course and counting the number of steps taken. Player should be careful to walk with a normal step and should cover the course twice, noting the average number of steps taken. Using the following formula the instructor can determine each player's metric step length in centimeters (cm).

Average number of steps taken for 50 meters:	Then metric step length is:
98 or more	45 cm
76 - 97	60 cm
62 - 75	75 cm
61 or less	90 cm

EXPLAIN HOW TO USE THE COMPASS:

With the SILVA, turn the 360° dial to place the desired bearing opposite the index line. Without changing the dial setting, hold the compass horizontally so that the direction of travel arrow on the transparent plate points the same direction the player will walk. Then turn the player's body, (Do not move the compass) until the red end of the magnetic needle points to the "N" on the dial. Now, the player and compass are oriented to the intended direction of travel. The player walks steps indicated and repeats the process for the next bearing.

PLAYING THE GAME:

Start each player at the marker which corresponds with the first "Starting Point" on their score card. Player will then travel according to the bearings and distances indicated. Upon completing the third leg of the course the player will write on the score card the number of the marker closest to and in the line of travel. Player will then proceed to the marker indicated by the second "Starting Point" on the score card and repeat the procedure. Repeat again over the third course.

THE SCORE:

The correct destination of each course is shown on the reverse side of this card. A player reaching a correct destination is awarded 100 points for that course. Otherwise deduct 5 points for each marker away from the correct one. After determining the score for each of the three courses, add the scores to obtain the player's total. Highest total score wins. Highest possible total score is 300.

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 1

Go 55 degrees for 37 meters 82 62 49 41
Then 285 degrees for 23 meters 51 38 31 26
Then 160 degrees for 29 meters 64 48 39 32

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 2

Go 55 degrees for 23 meters 51 38 31 26
Then 325 degrees for 24 meters 53 40 32 27
Then 150 degrees for 38 meters 84 63 51 42

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 3

Go 10 degrees for 30 meters 67 50 40 33
Then 110 degrees for 26 meters 58 43 35 29
Then 190 degrees for 21 meters 47 35 28 23

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct .5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 2

Go 55 degrees for 23 meters 51 38 31 26
Then 325 degrees for 24 meters 53 40 32 27
Then 150 degrees for 38 meters 84 63 51 42

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 3

Go 10 degrees for 30 meters 67 50 40 33
Then 110 degrees for 26 meters 58 43 35 29
Then 190 degrees for 21 meters 47 35 28 23

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 4

Go 20 degrees for 38 meters 84 63 51 42
Then 230 degrees for 22 meters 49 37 29 24
Then 160 degrees for 23 meters 51 38 31 26

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 3

Go 10 degrees for 30 meters 67 50 40 33
Then 110 degrees for 26 meters 58 43 35 29
Then 190 degrees for 21 meters 47 35 28 23

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 4

Go 20 degrees for 38 meters 84 63 51 42
Then 230 degrees for 22 meters 49 37 29 24
Then 160 degrees for 23 meters 51 38 31 26

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 5

Go 10 degrees for 38 meters 84 63 51 42
Then 95 degrees for 22 meters 49 37 29 24
Then 210 degrees for 41 meters 91 68 55 46

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 4

Go 20 degrees for 38 meters 84 63 51 42
Then 230 degrees for 22 meters 49 37 29 24
Then 160 degrees for 23 meters 51 38 31 26

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 5

Go 10 degrees for 38 meters 84 63 51 42
Then 95 degrees for 22 meters 49 37 29 24
Then 210 degrees for 41 meters 91 68 55 46

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 6

Go 15 degrees for 36 meters 80 60 48 40
Then 250 degrees for 20 meters 44 33 27 22
Then 165 degrees for 29 meters 64 48 39 32

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 5

Go 10 degrees for 38 meters 84 63 51 42
Then 95 degrees for 22 meters 49 37 29 24
Then 210 degrees for 41 meters 91 68 55 46

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 6

Go 15 degrees for 36 meters 80 60 48 40
Then 250 degrees for 20 meters 44 33 27 22
Then 165 degrees for 29 meters 64 48 39 32

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 7

Go 10 degrees for 34 meters 76 57 45 38
Then 120 degrees for 21 meters 47 35 28 23
Then 215 degrees for 28 meters 62 47 37 31

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 6

Go 15 degrees for 36 meters 80 60 48 40
Then 250 degrees for 20 meters 44 33 27 22
Then 165 degrees for 29 meters 64 48 39 32

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 7

Go 10 degrees for 34 meters 76 57 45 38
Then 120 degrees for 21 meters 47 35 28 23
Then 215 degrees for 28 meters 62 47 37 31

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 8

Go 5 degrees for 35 meters 78 58 47 39
Then 125 degrees for 23 meters 51 38 31 26
Then 200 degrees for 23 meters 51 38 31 26

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 7

Go 10 degrees for 34 meters 76 57 45 38
Then 120 degrees for 21 meters 47 35 28 23
Then 215 degrees for 28 meters 62 47 37 31

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 8

Go 5 degrees for 35 meters 78 58 47 39
Then 125 degrees for 23 meters 51 38 31 26
Then 200 degrees for 23 meters 51 38 31 26

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 9

Go 325 degrees for 25 meters 56 42 33 28
Then 80 degrees for 28 meters 62 47 37 31
Then 220 degrees for 33 meters 73 55 44 37

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 8

Go 5 degrees for 35 meters 78 58 47 39
Then 125 degrees for 23 meters 51 38 31 26
Then 200 degrees for 23 meters 51 38 31 26

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 9

Go 325 degrees for 25 meters 56 42 33 28
Then 80 degrees for 28 meters 62 47 37 31
Then 220 degrees for 33 meters 73 55 44 37

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 10

Go 340 degrees for 34 meters 76 57 45 38
Then 100 degrees for 29 meters 64 48 39 32
Then 225 degrees for 38 meters 84 63 51 42

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 9

- Go 325 degrees for 25 meters 56 42 33 28
- Then 80 degrees for 28 meters 62 47 37 31
- Then 220 degrees for 33 meters 73 55 44 37

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____
Score _____

Starting Point No. 10

- Go 340 degrees for 34 meters 76 57 45 38
- Then 100 degrees for 29 meters 64 48 39 32
- Then 225 degrees for 38 meters 84 63 51 42

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____
Score _____

Starting Point No. 11

- Go 355 degrees for 24 meters 53 40 32 27
- Then 55 degrees for 20 meters 44 33 27 22
- Then 190 degrees for 36 meters 80 60 48 40

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____
Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 10

- Go 340 degrees for 34 meters 76 57 45 38
- Then 100 degrees for 29 meters 64 48 39 32
- Then 225 degrees for 38 meters 84 63 51 42

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____
Score _____

Starting Point No. 11

- Go 355 degrees for 24 meters 53 40 32 27
- Then 55 degrees for 20 meters 44 33 27 22
- Then 190 degrees for 36 meters 80 60 48 40

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____
Score _____

Starting Point No. 12

- Go 355 degrees for 31 meters 69 52 41 34
- Then 245 degrees for 20 meters 44 33 27 22
- Then 130 degrees for 35 meters 78 58 47 39

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____
Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 11

Go 355 degrees for 24 meters 53 40 32 27
Then 55 degrees for 20 meters 44 33 27 22
Then 190 degrees for 36 meters 80 60 48 40

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 12

Go 355 degrees for 31 meters 69 52 41 34
Then 245 degrees for 20 meters 44 33 27 22
Then 130 degrees for 35 meters 78 58 47 39

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 13

Go 320 degrees for 32 meters 71 53 43 36
Then 90 degrees for 34 meters 76 57 45 38
Then 205 degrees for 27 meters 60 45 36 30

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 12

Go 355 degrees for 31 meters 69 52 41 34
Then 245 degrees for 20 meters 44 33 27 22
Then 130 degrees for 35 meters 78 58 47 39

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 13

Go 320 degrees for 32 meters 71 53 43 36
Then 90 degrees for 34 meters 76 57 45 38
Then 205 degrees for 27 meters 60 45 36 30

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 14

Go 340 degrees for 30 meters 67 50 40 33
Then 65 degrees for 22 meters 49 37 29 24
Then 200 degrees for 40 meters 89 67 53 44

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 13

- Go 320 degrees for 32 meters 71 53 43 36
- Then 90 degrees for 34 meters 76 57 45 38
- Then 205 degrees for 27 meters 60 45 36 30

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 14

- Go 340 degrees for 30 meters 67 50 40 33
- Then 65 degrees for 22 meters 49 37 29 24
- Then 200 degrees for 40 meters 89 67 53 44

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 15

- Go 325 degrees for 34 meters 76 57 45 38
- Then 75 degrees for 29 meters 64 48 39 32
- Then 205 degrees for 39 meters 87 65 52 43

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 14

- Go 340 degrees for 30 meters 67 50 40 33
- Then 65 degrees for 22 meters 49 37 29 24
- Then 200 degrees for 40 meters 89 67 53 44

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 15

- Go 325 degrees for 34 meters 76 57 45 38
- Then 75 degrees for 29 meters 64 48 39 32
- Then 205 degrees for 39 meters 87 65 52 43

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 16

- Go 330 degrees for 32 meters 71 53 43 36
- Then 90 degrees for 20 meters 44 33 27 22
- Then 210 degrees for 32 meters 71 53 43 36

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 15

Go 325 degrees for 34 meters 76 57 45 38
Then 75 degrees for 29 meters 64 48 39 32
Then 205 degrees for 39 meters 87 65 52 43

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____
Score _____

Starting Point No. 16

Go 330 degrees for 32 meters 71 53 43 36
Then 90 degrees for 20 meters 44 33 27 22
Then 210 degrees for 32 meters 71 53 43 36

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____
Score _____

Starting Point No. 17

Go 345 degrees for 37 meters 82 62 49 41
Then 250 degrees for 22 meters 49 37 29 24
Then 135 degrees for 40 meters 89 67 53 44

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____
Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 16

Go 330 degrees for 32 meters 71 53 43 36
Then 90 degrees for 20 meters 44 33 27 22
Then 210 degrees for 32 meters 71 53 43 36

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____
Score _____

Starting Point No. 17

Go 345 degrees for 37 meters 82 62 49 41
Then 250 degrees for 22 meters 49 37 29 24
Then 135 degrees for 40 meters 89 67 53 44

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____
Score _____

Starting Point No. 18

Go 305 degrees for 36 meters 80 60 48 40
Then 80 degrees for 24 meters 53 40 32 27
Then 185 degrees for 25 meters 56 42 33 28

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____
Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 17

Go 345 degrees for 37 meters 82 62 49 41
Then 250 degrees for 22 meters 49 37 29 24
Then 135 degrees for 40 meters 89 67 53 44

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 18

Go 305 degrees for 36 meters 80 60 48 40
Then 80 degrees for 24 meters 53 40 32 27
Then 185 degrees for 25 meters 56 42 33 28

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 19

Go 295 degrees for 22 meters 49 37 29 24
Then 10 degrees for 31 meters 69 52 41 34
Then 185 degrees for 40 meters 89 67 53 44

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 18

Go 305 degrees for 36 meters 80 60 48 40
Then 80 degrees for 24 meters 53 40 32 27
Then 185 degrees for 25 meters 56 42 33 28

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 19

Go 295 degrees for 22 meters 49 37 29 24
Then 10 degrees for 31 meters 69 52 41 34
Then 185 degrees for 40 meters 89 67 53 44

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 20

Go 350 degrees for 30 meters 67 50 40 33
Then 250 degrees for 20 meters 44 33 27 22
Then 170 degrees for 23 meters 51 38 31 26

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 19

Go 295 degrees for 22 meters 49 37 29 24
Then 10 degrees for 31 meters 69 52 41 34
Then 185 degrees for 40 meters 89 67 53 44

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 20

Go 350 degrees for 30 meters 67 50 40 33
Then 250 degrees for 20 meters 44 33 27 22
Then 170 degrees for 23 meters 51 38 31 26

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 21

Go 40 degrees for 21 meters 47 35 28 23
Then 330 degrees for 23 meters 51 38 31 26
Then 180 degrees for 36 meters 80 60 48 40

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 20

Go 350 degrees for 30 meters 67 50 40 33
Then 250 degrees for 20 meters 44 33 27 22
Then 170 degrees for 23 meters 51 38 31 26

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 21

Go 40 degrees for 21 meters 47 35 28 23
Then 330 degrees for 23 meters 51 38 31 26
Then 180 degrees for 36 meters 80 60 48 40

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 22

Go 70 degrees for 26 meters 58 43 35 29
Then 320 degrees for 32 meters 71 53 43 36
Then 190 degrees for 34 meters 76 57 45 38

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 21

Go 40 degrees for 21 meters 47 35 28 23
Then 330 degrees for 23 meters 51 38 31 26
Then 180 degrees for 36 meters 80 60 48 40

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 22

Go 70 degrees for 26 meters 58 43 35 29
Then 320 degrees for 32 meters 71 53 43 36
Then 190 degrees for 34 meters 76 57 45 38

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 23

Go 335 degrees for 38 meters 84 63 51 42
Then 100 degrees for 31 meters 69 52 41 34
Then 220 degrees for 38 meters 84 63 51 42

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 22

Go 70 degrees for 26 meters 58 43 35 29
Then 320 degrees for 32 meters 71 53 43 36
Then 190 degrees for 34 meters 76 57 45 38

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 23

Go 335 degrees for 38 meters 84 63 51 42
Then 100 degrees for 31 meters 69 52 41 34
Then 220 degrees for 38 meters 84 63 51 42

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 24

Go 10 degrees for 20 meters 44 33 27 22
Then 280 degrees for 20 meters 44 33 27 22
Then 165 degrees for 24 meters 53 40 32 27

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____ ↓ _____ ↓ _____ ↓ _____ ↓

Starting Point No. 23

Go 335 degrees for 38 meters 84 63 51 42
Then 100 degrees for 31 meters 69 52 41 34
Then 220 degrees for 38 meters 84 63 51 42

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 24

Go 10 degrees for 20 meters 44 33 27 22
Then 280 degrees for 20 meters 44 33 27 22
Then 165 degrees for 24 meters 53 40 32 27

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 25

Go 340 degrees for 31 meters 69 52 41 34
Then 270 degrees for 22 meters 49 37 29 24
Then 160 degrees for 31 meters 69 52 41 34

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____ ↓ _____ ↓ _____ ↓ _____ ↓

Starting Point No. 24

Go 10 degrees for 20 meters 44 33 27 22
Then 280 degrees for 20 meters 44 33 27 22
Then 165 degrees for 24 meters 53 40 32 27

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 25

Go 340 degrees for 31 meters 69 52 41 34
Then 270 degrees for 22 meters 49 37 29 24
Then 160 degrees for 31 meters 69 52 41 34

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 1

Go 55 degrees for 37 meters 82 62 49 41
Then 285 degrees for 23 meters 51 38 31 26
Then 160 degrees for 29 meters 64 48 39 32

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

SCORE CARD FOR METRIC COMPASS COURSE

NAME _____

If your step length is: 45 60 75 90cm.
Your steps are _____

Starting Point No. 25

Go 340 degrees for 31 meters 69 52 41 34
Then 270 degrees for 22 meters 49 37 29 24
Then 160 degrees for 31 meters 69 52 41 34

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 1

Go 55 degrees for 37 meters 82 62 49 41
Then 285 degrees for 23 meters 51 38 31 26
Then 160 degrees for 29 meters 64 48 39 32

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

Starting Point No. 2

Go 55 degrees for 23 meters 51 38 31 26
Then 325 degrees for 24 meters 53 40 32 27
Then 150 degrees for 38 meters 84 63 51 42

Record the marker closest to and in your line of travel
Destination reached _____

CORRECT DESTINATION (Supplied by leader) _____

Score _____

SCORE: Score for correct finish is 100. Deduct 5 points for each marker away from correct destination.

TOTAL SCORE _____

COMPETITIVE COMPASS GAME

This compass game is designed to teach the elementary compass skills for taking bearings and step counting.

LAYOUT OF COURSE

First, measure a step course 50 meters (500cm) long, preferably over flat and clear terrain on an East-West line. Place markers at 2 meter intervals and number them consecutively from 1-25, with marker number 1 at the west end of the course. An alternate method is to fasten tags 2 meters apart on a 50 meter rope and number the tags consecutively from 1 to 25. Stretch the rope in an East-West direction with the number 1 on the West end.

EQUIPMENT NEEDED:

Each player will need a score card, a pencil and a compass, preferably a SILVA system compass like the Type 7 POLARIS or the Boy Scout Type 1070.

PRELIMINARY INSTRUCTIONS TO PLAYERS:

Have each player determine their metric step requirements for the 50 meter course by walking the length of the course and counting the number of steps taken. Player should be careful to walk with a normal step and should cover the course twice, noting the average number of steps taken. Using the following formula the instructor can determine each player's metric step length in centimeters (cm).

Average number of steps taken for 50 meters: Then metric step length is:

98 or more 45 cm
76 - 97 60 cm
62 - 75 75 cm
61 or less 90 cm

EXPLAIN HOW TO USE THE COMPASS:

With the SILVA, turn the 360° dial to place the desired bearing opposite the index line. Without changing the dial setting, hold the compass horizontally so that the direction of travel arrow on the transparent plate points the same direction the player will walk. Then turn the player's body. (Do not move the compass) until the red end of the magnetic needle points to the "N" on the dial. Now, the player and compass are oriented to the intended direction of travel. The player walks steps indicated and repeats the process for the next bearing.

PLAYING THE GAME:

Start each player at the marker which corresponds with the first "Starting Point" on their score card. Player will then travel according to the bearings and distances indicated. Upon completing the third leg of the course the player will write on the score card the number of the marker closest to and in the line of travel. Player will then proceed to the marker indicated by the second "Starting Point" on the score card and repeat the procedure. Repeat again over the third course.

THE SCORE:

The correct destination of each course is shown on the reverse side of this card. A player reaching a correct destination is awarded 100 points for that course. Otherwise deduct 5 points for each marker away from the correct one. After determining the score for each of the three courses, add the scores to obtain the player's total. Highest total score wins. Highest possible total score is 300.