

Twin Valley Council
Camp Norseland
Orienteering Course

General Description: This orienteering course is made up of six different courses. Each course is given a level of difficulty. At this time, there are two beginner, two skilled, and two challenge courses. The courses are located in the Meadow by the "Igloo" or Quonset Hut. Each course starts at the 4X4 post near the storm shelter and ends at one of the five 4X4 posts located on the SSE edge of the Meadow near the woods.

Directions:

1.) Before beginning any orienteering course, it is important to figure out how much distance you cover with each step. This is called determining your PACE.

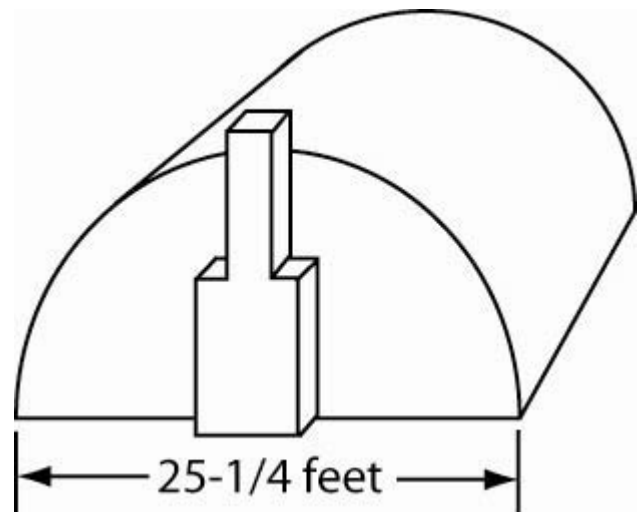
- **To find out your pace, you will need a pencil, a couple of pieces of paper, and math skills (A calculator is helpful but not required.)** The Igloo wall with the fire place chimney on it measures 25 1/4 feet.
- **Starting on one side of the Igloo, walk normally to the other side counting the number of steps you take.** See the diagram below.
- Using your pencil and paper, **divide 25.25 by the number of steps you took.** (For example: If it took you 13 steps to walk from one side of the Igloo to the other, take $25.25 \div 13$)
- **The answer is the number of feet you cover with each step you take - your PACE.** In the example above, the pace is 1.94.
- **To complete a course, you will need to convert the distances to your pace. This is done by dividing the listed distance by your pace.** Using the example above, if a distance is listed at 30 feet, you would need to divide 30 by 1.94. The answer is 15.5. In other words, you will need to take 15 and 1/2 steps to travel 30 feet at a pace of 1.94

2.) Choose a course from the binder based on your skill level.

3.) Convert the listed distances to your pace. Make sure you record the number of steps you need to take for each distance. If you round your numbers up too much, you will decrease your accuracy. Round numbers to the tenths place value.

4.) You are now ready to go. Get your compass and have fun!

5.) When you have completed a course (hopefully, you ended up at one of the five 4X4 posts at the of the Meadow), check in with your Scoutmaster. He has the answer key.



Twin Valley Council
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Orienteering Course

Course #1 – Beginner Level

	Compass Bearing	Distance in feet
1.	66°	75
2.	327°	30
3.	92°	71
4.	158°	90
5.	208°	20
6.	152°	60

Twin Valley Council
Camp Norseland
Orienteering Course

Course #2 – Skilled Level

	Compass Bearing	Distance in feet
1.	23°	86
2.	86°	92
3.	160°	106
4.	108°	37
5.	16°	69
6.	52°	52
7.	224°	73
8.	252°	70
9.	155°	54

Twin Valley Council
Camp Norseland
Orienteering Course

Course #3 – Challenge Level

	Compass Bearing	Distance in feet
1.	162°	27
2.	283°	63
3.	7°	81
4.	114°	120
5.	10°	82
6.	158°	79
7.	90°	71
8.	208°	103
9.	146°	37

Twin Valley Council
Camp Norseland
Orienteering Course

Course #4 – Beginner Level

	Compass Bearing	Distance in feet
1.	330°	35
2.	71°	41
3.	135°	66
4.	95°	70
5.	153°	33
6.	227°	47

Twin Valley Council
Camp Norseland
Orienteering Course

Course #5 – Challenge Level

	Compass Bearing	Distance in feet
1.	7°	86
2.	100°	51
3.	240°	107
4.	188°	57
5.	88°	70
6.	80°	83
7.	180°	61
8.	64°	64
9.	164°	35

Twin Valley Council
Camp Norseland
Orienteering Course

Course #6 – Skilled Level

	Compass Bearing	Distance in feet
1.	167°	32
2.	18°	71
3.	156°	44
4.	70°	37
5.	208°	41
6.	137°	22
7.	73°	26
8.	84°	19
9.	90°	24
10.	207°	30
11.	297°	31
12.	8°	25
13.	131°	62
14.	241°	20
15.	173°	18
16.	70°	36

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Answer Key

Course #1 – *Star* post

Course #2 – *Tenderfoot* post

Course #3 – *1st Class* post

Course #4 – *Life* post

Course #5 – *2nd Class* post

Course #6 – *2nd Class* post

A note to the Scoutmasters: Additional courses can be added to this binder. If a scout makes a new course, please put copies into this binder and submit an original to the Twin Valley Scout Office in Mankato and the Twin Valley Council Webmaster at webmaster@twinvalleybsa.org.