

# COMPASS GAME

## EQUIPMENT NEEDED

A 100 foot long string, cord, or rope, marked every 5 feet.  
Two tent stakes or pegs.  
Compass and pencil for each participant, or pair of participants.  
Printed pages 2 through 6 of this document.

## LAYOUT OF COURSE

Find an open field that has at least 150'x150' of walkable area.  
Stake down one end of the 100ft string about 25 feet in from the western end of the field.  
Stretch the string out due east from its western end and stake down the eastern end.  
Cut out the numbers 1 through 20 from page 3 and place one at each 5-foot mark on the string.

## PLAYING THE GAME

### Step One: Step Length

Each participant figures out the length of their steps. Starting at one end of the 100ft string, have each person walk to the other end and back, counting their steps. Dividing 200 by the number of steps gives the length of their step. This is used to estimate distances in Step Two.

### Step Two: Direction & Distance

Hand out a Score Card to each participant or pair.

Participants start at the numbered location along the 100ft string that is listed as the first "Starting Point" on their score card.

Participants take the bearing listed on their score card and follow it for the listed distance. They repeat this for the second and third legs of their trip which "should" find them back fairly close to some point on the 100ft string.

Participants write down the marker on the string that is closest to their ending spot.

Participants complete the trips for their second and third "Starting Points" on their score card.

## SCORING

When all participants are finished, read off the "Correct Destination" number for each "Starting Point" number as listed on page 2.

Participants should write the number corresponding to their Starting Point in the "Correct Destination" field on their score card for all three of their trips.

If a participant ended at the correct destination, they receive 100 points. They lose 5 points for every number away from the correct destination they ended. For example, if the correct destination is 17 and they ended at 12, they would lose 25 points for a score of 75 points.

The participant with the highest combined score of the three trips is the winner.

# Answer Sheet

Starting Point	Correct Destination	Starting Point	Correct Destination
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

<b>1</b>	<b>5</b>	<b>9</b>	<b>13</b>	<b>17</b>
<b>2</b>	<b>6</b>	<b>10</b>	<b>14</b>	<b>18</b>
<b>3</b>	<b>7</b>	<b>11</b>	<b>15</b>	<b>19</b>
<b>4</b>	<b>8</b>	<b>12</b>	<b>16</b>	<b>20</b>

**Starting Point No. 1**

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

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 2**

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

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 3**

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

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 4**

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

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 5**

Head 22 degrees for 107 feet  
Then 158 degrees for 54 feet  
Then 186 degrees for 49 feet

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 6**

Head 3 degrees for 100 feet  
Then 132 degrees for 74 feet  
Then 225 degrees for 71 feet

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 7**

Head 34 degrees for 119 feet  
Then 186 degrees for 50 feet  
Then 229 degrees for 75 feet

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 8**

Head 346 degrees for 102 feet  
Then 129 degrees for 78 feet  
Then 212 degrees for 59 feet

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 9**

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

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 10**

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

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 11**

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

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 12**

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

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 13**

Head 17 degrees for 104 feet  
Then 237 degrees for 90 feet  
Then 142 degrees for 65 feet

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 14**

Head 333 degrees for 112 feet  
Then 174 degrees for 50 feet  
Then 141 degrees for 64 feet

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 15**

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

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 16**

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

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 17**

Head 333 degrees for 112 feet  
Then 197 degrees for 51 feet  
Then 168 degrees for 52 feet

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 18**

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

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 19**

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

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_

**Starting Point No. 20**

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

**SCORE CARD**

MY DESTINATION: \_\_\_\_\_  
CORRECT DESTINATION: \_\_\_\_\_  
SCORE: \_\_\_\_\_