

Compass Pictures

Practice walking on a bearing.

You need: A compass, ball of string, large nails or tent pegs, plenty of space. Read the instructions carefully.

<p>No. 1 Easy 1. 3 steps north 2. 3 steps east 3. 3 steps south 4. 3 steps west</p>	<p>No. 2 Easy 1. 3 steps North East (NE) 2. 3 steps South East (SE) 3. 4 steps West (W)</p>	<p><i>The solutions are on inside back page, but don't cheat and look before you've finished!</i></p>	<p>No. 6 Hard 1. 3 x W 2. 1 x SW 3. 1 x NW 4. 1 x NE 5. 2 x E 6. 1 x N 7. 1 x SW 8. 1 x W 9. 1 x NW 10. 1 x N 11. 1 x NE 12. 1 x E 13. 1 x SE 14. 1 x NW 15. 1 x N 16. 1 x NE 17. 1 x E 18. 1 x SE 19. 1 x S 20. 1 x SW 21. 1 x NE 22. 1 x E 23. 1 x SE 24. 1 x S 25. 1 x SW 26. 1 x W 27. 1 x NW 28. 1 x S 29. 2 x E 30. 1 x SE 31. 1 x SW 32. 1 x NW</p>
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<p>No. 5 Moderate 1. 1 x NE 2. 2 x N 3. 1 x NW 4. 1 x NE 5. 2 x N 6. 1 x SW 7. 1 x W 8. 1 x NW 9. 2 x S 10. 1 x SE 11. 1 x SW 12. 2 x S 13. 1 x SE 14. 2 x E 15. 1 x NE 16. 2 x N 17. 1 x NE</p>			

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No. 1 Easy

1. 3 steps north
2. 3 steps east
3. 3 steps south
4. 3 steps west

No. 3 Easy

1. 1 x N
2. 1 x E
3. 1 x S
4. 1 x E
5. 1 x S
6. 1 x W
7. 1 x S
8. 1 x W
9. 1 x N
10. 1 x W
11. 1 x N
12. 1 x E

No. 5 Moderate

1. 1 x NE
2. 2 x N
3. 1 x NW
4. 1 x NE
5. 2 x N
6. 1 x SW
7. 1 x W
8. 1 x NW
9. 2 x S
10. 1 x SE
11. 1 x SW
12. 2 x S
13. 1 x SE
14. 2 x E
15. 1 x NE
16. 2 x N
17. 1 x NE

No. 2 Easy

1. 3 steps North East (NE)
2. 3 steps South East (SE)
3. 4 steps West (W)

No. 4 Moderate

1. 2 steps North West (NW)
2. 1 step North (N)
3. 1 step North East (NE)
4. 1 step South East (SE)
5. 1 step North East (NE)
6. 1 step South East (SE)
7. 1 step South (S)
8. 2 steps South West (SW)

1. To start tie your string around a peg and stick it into the ground.

2. Follow the instructions counting out steps in the right direction.

3. **REMEMBER** To walk **E (East)** keep the needle lined up with **N (north)** and walk in the direction of the **E (East)** on your compass.

change direction put a peg into the ground and wrap the string around it.

By following the compass directions you should be able to mark out pictures on the ground using the string.

• If you are doing this activity on a hard play area use chalk to mark out the shape instead of pegs and string.

• If you are inside use small footsteps, at the points where you change direction use sticky tape or 'press stick' to hold the string in place.

• ***You can do this activity with ANY type of compass, not just a protractor compass, because it uses compass points and not degrees.***

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No. 6 Hard

1. 3 x W
2. 1 x SW
3. 1 x NW
4. 1 x NE
5. 2 x E
6. 1 x N
7. 1 x SW
8. 1 x W
9. 1 x NW
10. 1 x N
11. 1 x NE
12. 1 x E
13. 1 x SE
14. 1 x NW
15. 1 x N
16. 1 x NE
17. 1 x E
18. 1 x SE
19. 1 x S
20. 1 x SW
21. 1 x NE
22. 1 x E
23. 1 x SE
24. 1 x S
25. 1 x SW
26. 1 x W
27. 1 x NW
28. 1 x S
29. 2 x E
30. 1 x SE
31. 1 x SW
32. 1 x NW