

Direction Practice Worksheet

Name

1. Select all possible answers:
Which of the following are true of compasses?
 - a. The needle points to magnetic north
 - b. They are not useful when using polar coordinates to navigate
 - c. They contain a magnet
 - d. They have markings showing N, S, E, and W

2. A compass is a device with a floating needle that aligns itself to magnetic north.
 - a. TRUE
 - b. FALSE

3. What is the purpose of a compass rose on a map?
 - a. It lets you find the coordinates of locations on the map
 - b. It shows how far apart locations on the map are in real life
 - c. It explains the meaning of colour coding on the map
 - d. It shows the orientation of the map in terms of the directions: north, south, east and west

4. To find a point that is 40 E and 100 m from your current location, you should do the following:
 - a. Walk 100 m in any direction, use the compass and compass rose to orient yourself on the map, turn to 40 E
 - b. Turn to 40 E, use the compass and compass rose to orient yourself on the map, walk 100 m in that direction
 - c. Use the compass and compass rose to orient yourself on the map, find 40 E, walk 100 m in that direction
 - d. Use the compass and compass rose to orient yourself on the map, find 40 E, walk 100 m in the opposite direction

5. The most common way to describe direction in relation to the Earth's surface is with a compass.
 - a. TRUE
 - b. FALSE

6. A compass needle always points to magnetic _____.
 - a. west
 - b. south
 - c. east
 - d. north

7. In a polar coordinate system, your location is marked by an angle and distance from some reference point.
- a. TRUE
 - b. FALSE

8. Select all possible answers:
In orienteering, people use a _____ and _____ to chart a course in the wilderness.
- a. map
 - b. Satellites
 - c. GPS
 - d. compass

9. In the _____ system, a location is marked by the angle and distance to a reference point.
- a. polar coordinate
 - b. longitudinal
 - c. satellite
 - d. GPS

10. The magnetic north pole is about 11 degrees offset from the geographic North Pole.
- a. TRUE
 - b. FALSE

