

Compass Directions and Bearings



Name compass directions, read and write three-figure bearings, and calculate reverse bearings and turns.

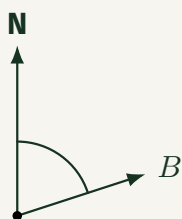
Name _____

Date _____

Show your method

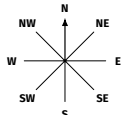
A bearing is always measured clockwise from North and written with three figures (e.g. 072° , not 72°). Show your working for any calculation.

Worked example State the three-figure bearing shown, from *A* to *B*.

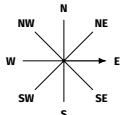


The angle is measured clockwise from North.
The marked angle is 72° .
Bearing = 072°

1. Name the direction opposite the one shown.



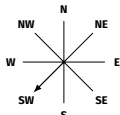
2. Name the direction opposite the one shown.



3. Name the direction exactly halfway between north and west.

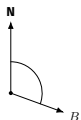
4. You are facing south. Turn a quarter-turn (90°) clockwise. Which direction are you facing now?

5. Turn a half-turn (180°) from the direction shown. Which direction now?

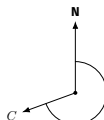


6. Write the three-figure bearing for south.

7. State the three-figure bearing shown.



8. State the three-figure bearing shown.



9. Which compass direction matches the bearing 090° ?

Compass Directions and Bearings (continued)

Reverse bearings, turns between bearings, and wrap-around bearings.

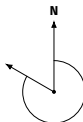


Name _____

Date _____

10. Which compass direction matches the bearing 225° ?

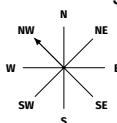
11. A boat sails on the bearing shown. What is the reverse bearing?



12. A hiker travels from P to Q on bearing 040° . What is the reverse bearing from Q back to P ?

13. Through how many degrees clockwise do you turn from bearing 050° to bearing 160° ?

14. Write the direction shown as a three-figure bearing.



15. A tower is due north of a bridge. What bearing would you walk from the bridge to reach the tower?

16. Start on bearing 250° . Turn 150° clockwise. What is the new bearing? (Subtract 360° if you pass it.)

17. A bearing of 380° is written by mistake. Write the correct equivalent bearing between 000° and 360° .

18. A ship heads on bearing 200° . Which of the four main compass directions (N, E, S, W) is it closest to?
