

- 6** In still air, a bird can fly at a speed of 10 m s^{-1} . The wind is blowing from the east at 8.0 m s^{-1} .

In which direction must the bird fly in order to travel to a destination that is due north of the bird's current location?

- A** 37° east of north
- B** 37° west of north
- C** 53° east of north
- D** 53° west of north