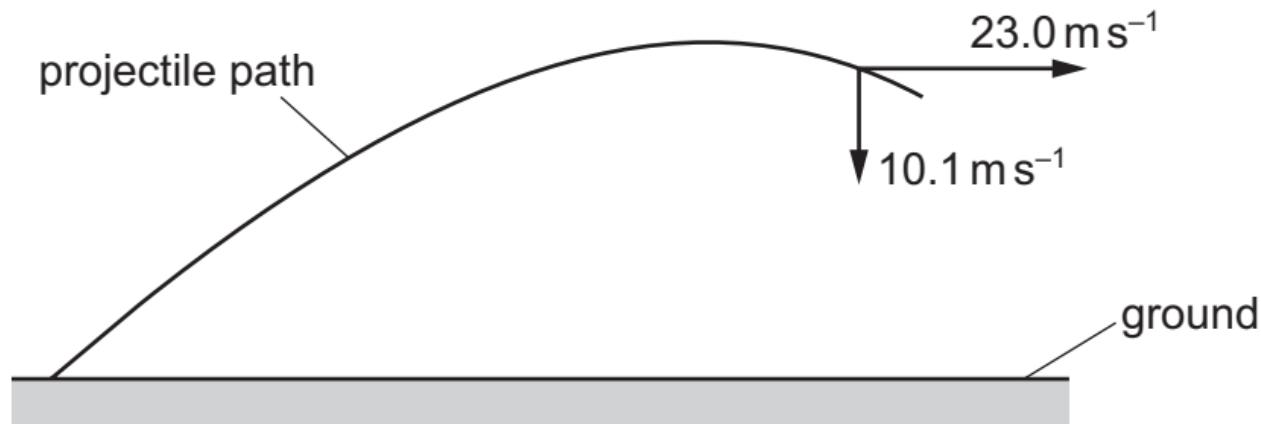


18 A projectile is thrown at an angle to the ground.



At a certain time, the projectile has a horizontal velocity of 23.0 ms^{-1} and a vertical velocity of -10.1 ms^{-1} .

What is the speed of the projectile at this time?

- A 12.9 ms^{-1}
- B 20.7 ms^{-1}
- C 25.1 ms^{-1}
- D 33.1 ms^{-1}

19 A car of mass 1400 kg is travelling on a straight, horizontal road at a constant speed of 25 m s^{-1}