

- 9** A basketball player hits a ball vertically downwards with a speed of 2.4 ms^{-1} from a height of 0.90 m.

Air resistance is negligible.

What is the speed of the ball as it hits the ground?

A 4.2 ms^{-1}

B 4.8 ms^{-1}

C 18 ms^{-1}

D 23 ms^{-1}