

- 8 Two spheres of equal mass have different diameters and are dropped from a tower at the same time. Each sphere reaches a constant velocity before hitting the ground.

Which statement about the order in which they hit the ground is correct?

- A They hit the ground at the same time.
- B The smaller sphere hits the ground first.
- C The larger sphere hits the ground first.
- D The order in which they hit the ground depends on the height of the tower.

- 9 A spacecraft of mass m has weight 14N on the surface of the Earth. The Earth has radius R .