

- 10** A pail containing 500 g of water is rotated in a vertical circle of radius 1.20 m. What is the minimum speed of the pail such that no water spills out when it is upside down at the top of the circle?

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| A | 3.43 m s ⁻¹ | B | 4.91 m s ⁻¹ |
| C | 11.8 m s ⁻¹ | D | 24.1 m s ⁻¹ |