

2 A cylinder has volume  $V$ . The length of the cylinder is known with an uncertainty of  $\pm 1\%$  and the diameter with an uncertainty of  $\pm 2\%$ .

What is the uncertainty of  $V$ ?

**A** 2%

**B** 3%

**C** 4%

**D** 5%

3 The graph shows how the velocity of a car changes with time as it moves from rest in a straight