

**3** A micrometer is used to measure the diameters of two cylinders.

diameter of first cylinder =  $(12.78 \pm 0.02)$  mm

diameter of second cylinder =  $(16.24 \pm 0.03)$  mm

The difference in the diameters is calculated.

What is the percentage uncertainty in this difference?

**A** 0.29

**B** 0.58

**C** 0.87

**D** 1.4