

- 1 Three quantities a , b and c are related by the equation

$$a = b^2c$$

a and b have fractional uncertainties $\frac{\Delta a}{a}$ and $\frac{\Delta b}{b}$ respectively.

What is the fractional uncertainty of c ?

- A** $\frac{\Delta a}{a} + \frac{\Delta b}{b}$ **B** $\frac{\Delta a}{a} - \frac{\Delta b}{b}$ **C** $\frac{\Delta a}{a} + 2\frac{\Delta b}{b}$ **D** $\frac{\Delta a}{a} - 2\frac{\Delta b}{b}$