2   Quantity a is related to quantities b, c and d by the equation shown.

$$a = \frac{bc^2}{d}$$

The numerical values of b, c and d in their SI units are:

$b = 24 \pm 3$, $c = 13 \pm 2$ and $d = 18 \pm 1$.

What is the percentage uncertainty in a?

A   8%   **B**   20%   **C**   38%   **D**   49%

3   An object is launched at angle θ above horizontal ground