

A student uses an analogue voltmeter to measure the potential difference across a lamp. The voltmeter is marked every 0.02 V but has a zero error of 0.08 V. The student is not aware of this zero error and writes down a reading of 2.16 V.

Is the reading accurate and is it precise?

	accurate	precise
A	no	no
B	no	yes
C	yes	no
D	yes	yes

The equation $\frac{1}{u} + \frac{1}{v} = \frac{1}{f}$ relates the object distance u , image distance v and focal length f of a lens.