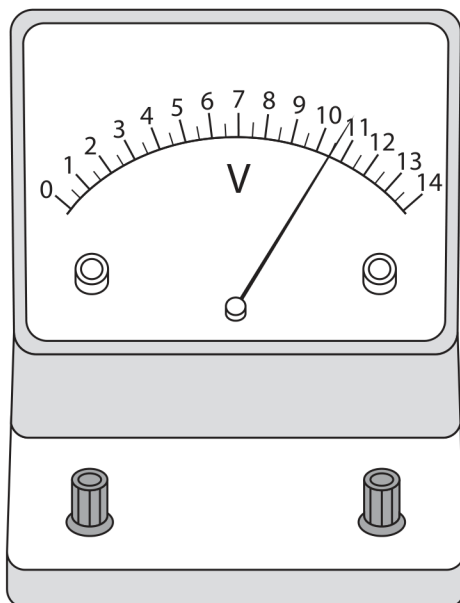


- 4 A student measured potential difference using an analogue voltmeter.



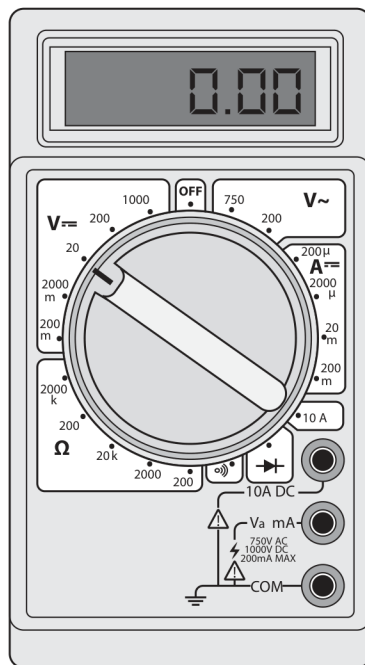
analogue voltmeter

- (a) Calculate the percentage uncertainty in the measurement of the potential difference.

(1)

Percentage uncertainty =

(b) The student could use a digital multimeter.



digital multimeter

Discuss the advantages of choosing the digital multimeter to measure the potential difference.

(3)