20. A student carries out an experiment to determine the specific heat capacity c of a solid. The relationship used to calculate c is

$$c = \frac{E}{m\Lambda T}$$

The recorded measurements and their percentage uncertainties are shown.

energy supplied,
$$E = 5000 \,\mathrm{J} \pm 1\%$$

mass of solid,
$$m = 0.20 \text{ kg} \pm 2\%$$

- change in temperature, $\Delta T = 4.5 \,^{\circ}\text{C} \pm 5\%$
- A good estimate of the percentage uncertainty in the calculated value of c is
- A 8%
- B 7%
- C 5%
- D 3%
- E 1%.