

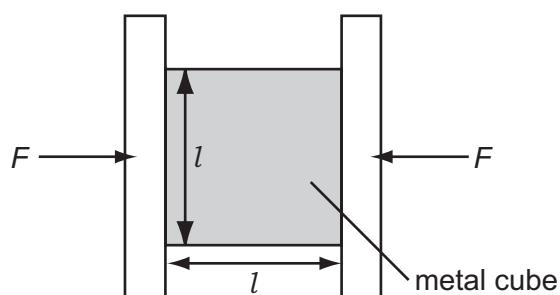
25 When describing the behaviour of a spring, the spring constant is used.

Different loads are used to extend the spring by different amounts.

To find the spring constant, which quantities are required?

- A** the elastic limit and the loads
- B** the elastic limit, extensions and the length of the spring
- C** the loads and the extensions of the spring
- D** the loads and the length of the spring

26 A metal cube of side l is placed in a vice and compressed elastically by two opposing forces F .



How will Δl , the amount of compression, relate to l ?

- A** $\Delta l \propto \frac{1}{l^2}$ **B** $\Delta l \propto \frac{1}{l}$ **C** $\Delta l \propto l$ **D** $\Delta l \propto l^2$

Space for working