

Answer **all** the questions in the spaces provided.

- 1 A cylindrical disc is shown in Fig. 1.1.

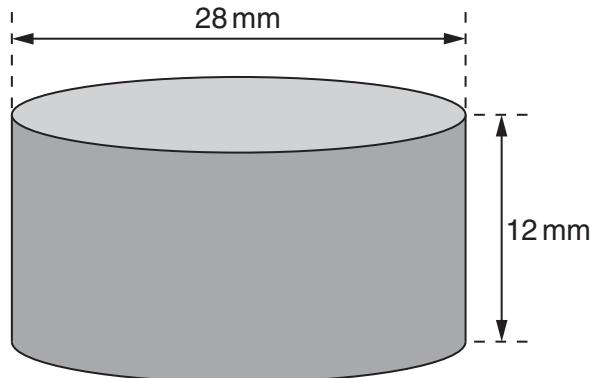


Fig. 1.1

The disc has diameter 28 mm and thickness 12 mm.
The material of the disc has density $6.8 \times 10^3 \text{ kg m}^{-3}$.

Calculate, to two significant figures, the weight of the disc.

weight = N [4]