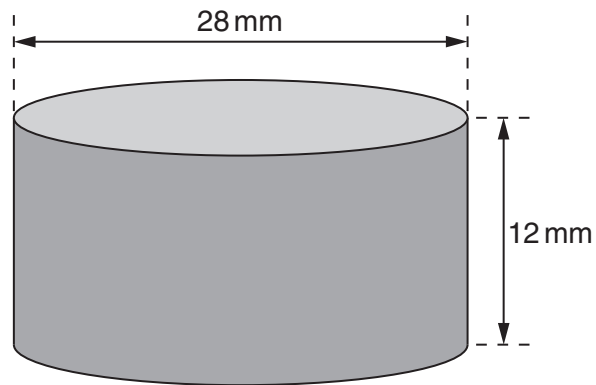


Answer **all** the questions in the spaces provided.

For  
Examiner's  
Use

- 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]