

11 A rectangular block of lead of density  $1.13 \times 10^4 \text{ kg m}^{-3}$  has sides of length 12.0 cm, 15.0 cm and 10.0 cm.

What is the maximum pressure the block can exert when resting on a table?

A 1.13 kPa

B 1.70 kPa

C 11.1 kPa

D 16.6 kPa

12 Which diagram shows a couple formed by two forces, each of magnitude  $F$ , acting on a rod?