

15 A man of weight 600 N stands with both feet flat on the ground.

What is a reasonable estimate of the pressure exerted on the ground by the weight of the man?

- A** $1 \times 10^0 \text{ Pa}$ **B** $1 \times 10^2 \text{ Pa}$ **C** $1 \times 10^4 \text{ Pa}$ **D** $1 \times 10^6 \text{ Pa}$

A-Level Physics: w25 12

1 What is a reasonable estimate of the weight of an adult human?

- A** $7 \times 10^0 \text{ N}$ **B** $7 \times 10^2 \text{ N}$ **C** $7 \times 10^4 \text{ N}$ **D** $7 \times 10^6 \text{ N}$

A-Level Physics: s25 12

1 What must all physical quantities have?

- A** a direction and a magnitude
B a direction and a unit
C a magnitude and a prefix
D a magnitude and a unit

A-Level Physics: s25 14

1 The number of atoms in a mobile phone handset may be estimated by dividing the approximate volume of the handset by the approximate volume of an atom.

What is a reasonable estimate of the number of atoms in a mobile phone handset?

- A** 10^{17} **B** 10^{26} **C** 10^{32} **D** 10^{37}