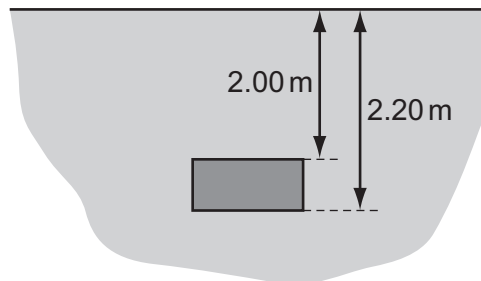


- 23** The diagram shows a rectangular block of mass 8.2 kg immersed in sea water of density $1.10 \times 10^3\text{ kg m}^{-3}$.



What is the difference in pressure between the top and bottom surfaces of the block?

- A** $2.2 \times 10^2\text{ Pa}$
- B** $2.2 \times 10^3\text{ Pa}$
- C** $1.8 \times 10^4\text{ Pa}$
- D** $2.3 \times 10^4\text{ Pa}$

Space for working