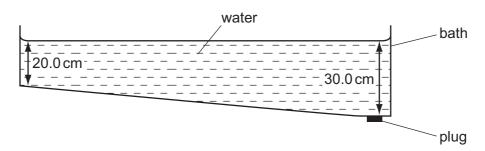
22 Water in a bath varies in depth from 20.0 cm at the shallow end to 30.0 cm at the end with the plug.



The density of the water is 1000 kg m⁻³.

What is the pressure of the water acting on the plug?

- **A** 1960 Pa
- **B** 2450 Pa
- **C** 2940 Pa
- **D** 4900 Pa
- 23 Which properties best describe modelling clay?
 - A brittle and ductile
 - **B** ductile and elastic
 - C elastic and plastic
 - **D** plastic and ductile
- 24 A steel spring has a spring constant of 150 N m⁻¹. When a 25 N weight is hung from the spring, it has a stretched length of 55 cm.

What was the original length of the spring?

- **A** 0.38 m
- **B** 0.49 m
- **C** 0.61 m
- **D** 0.72 m

Space for working