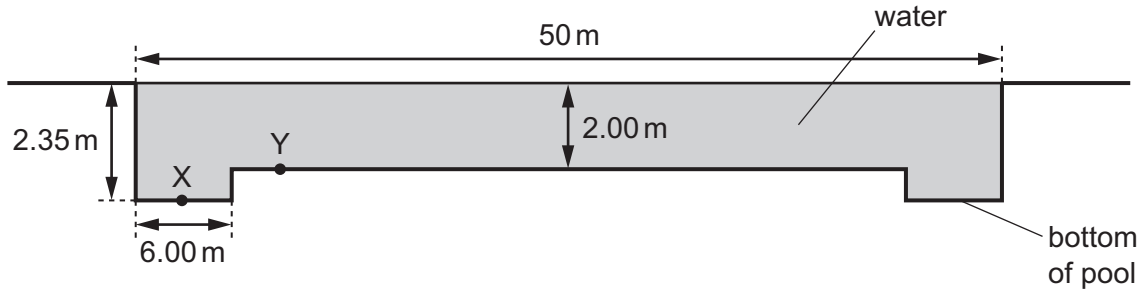


- 20** The diagram shows the cross-section of an Olympic-size swimming pool filled with water. It is not drawn to scale. The density of the water is  $1000 \text{ kg m}^{-3}$ .



What is the difference in pressure between X and Y?

- A** 0.35 kPa      **B** 3.4 kPa      **C** 21.3 kPa      **D** 58.9 kPa

- 21** A force acts on a wire to produce extension  $e$ . The same force then acts on a second wire of the