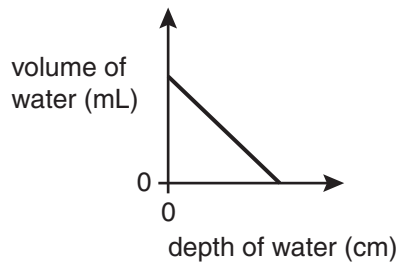


- 1 A jug is filled with water.

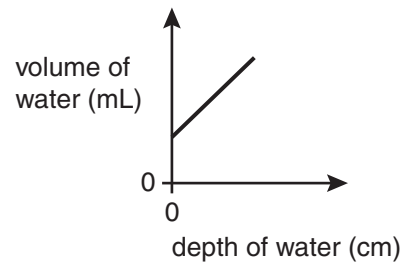
Depth of water (cm)	2	4	6	8
Volume of water in the jug (mL)	300	600	900	1200

Which graph best shows the information in the table?

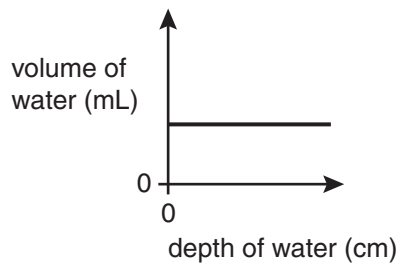
A



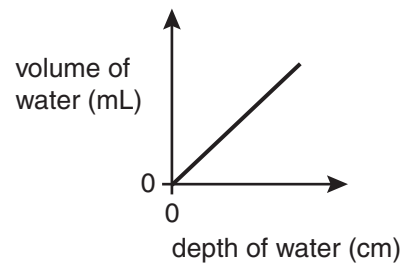
C



B

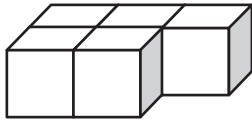


D



- 2 Water flows over the Niagara Falls at a rate of 2832 cubic metres per second. What is this rate in cubic metres per day?

- A** $2832 \times 60 \times 24$
- B** $2832 \times 60 \times 60 \times 24$
- C** $2832 \times \frac{60}{24}$
- D** $2832 \times \frac{60 \times 60}{24}$



- 3** This object is enlarged by a scale factor of 2.
How many small cubes are in the enlarged object?

A 10
B 20
C 32
D 40

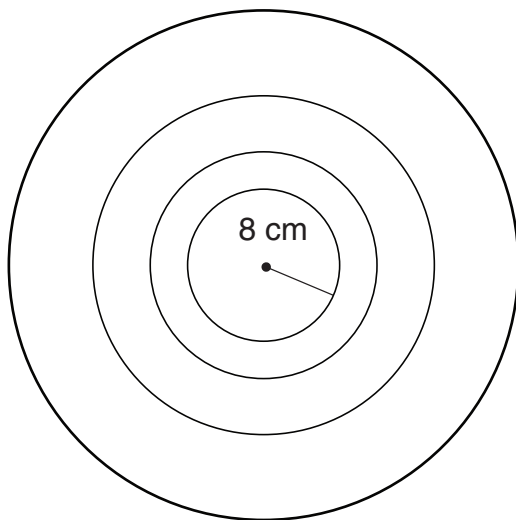
- 4** There are four concentric circles.

The first circle has a radius of 8 cm.

The second circle has a radius $1\frac{1}{2}$ times the radius of the first circle.

The third circle has a radius $1\frac{1}{2}$ times the radius of the second circle.

The fourth circle has a radius $1\frac{1}{2}$ times the radius of the third circle.



What is the ratio of the area of the first circle to the area of the fourth circle?

A 4 : 9
B 2 : 3
C 64 : 225
D 64 : 729