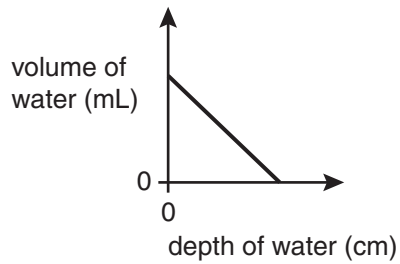


1 A jug is filled with water.

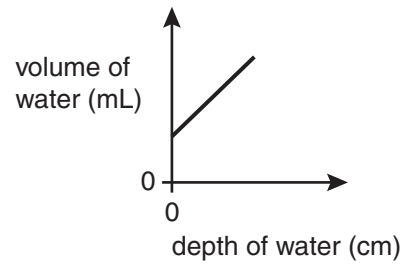
Depth of water (cm)	2	4	6	8
Volume of water in the jug (mL)	300	600	900	1200

Which graph best shows the information in the table?

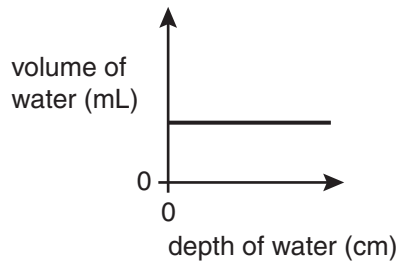
A



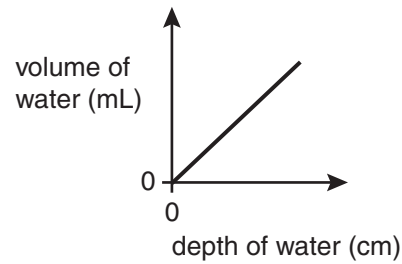
C



B



D



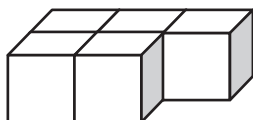
2 Water flows over the Niagara Falls at a rate of 2832 cubic metres per second. What is this rate in cubic metres per day?

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?

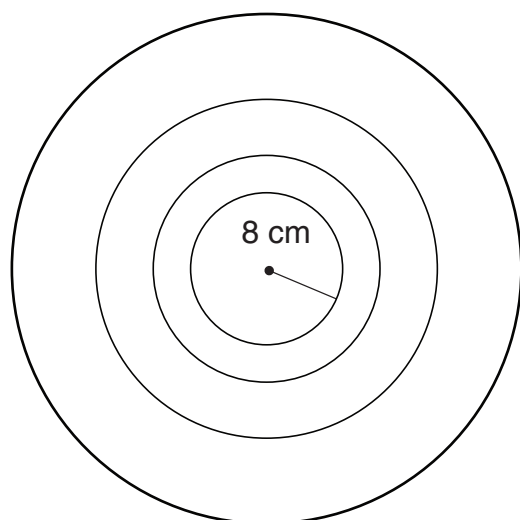
**A** 10  
**B** 20  
**C** 32  
**D** 40

- 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