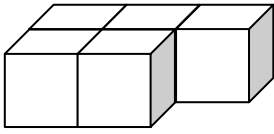


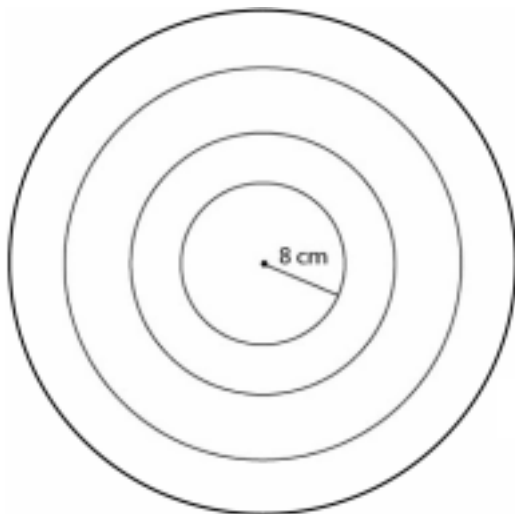
- 3 Fatima made this object using small cubes.



She then enlarged the object by a scale factor of 2.

How many small cubes were in the enlarged object?

- A 10
 - B 20
 - C 32
 - D 40
- 4 Ameen draws concentric circles.
The smallest 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.



not to scale

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

Answers to Sample Questions

- 1 D
- 2 B
- 3 D
- 4 D