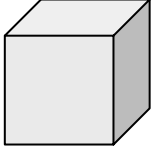


## Sample International Benchmark Test Questions

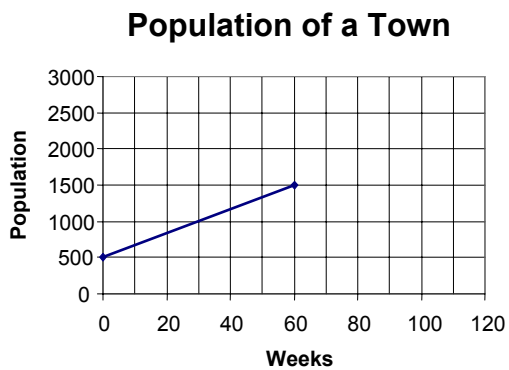
### Class 9 Mathematics

- 1 This cube has a side length of  $x$  cm.



What is the surface area in square centimeters of the cube?

- A  $12x$
  - B  $3x^2$
  - C  $6x^2$
  - D  $x^3$
- 2 The graph of the population of a town is shown.

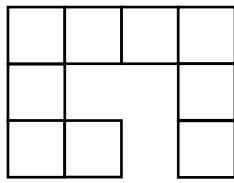


The population continues to grow at the same rate.

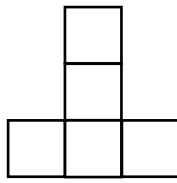
Which of the following is the best estimate of the population at 50 weeks?

- A 1000
- B 1250
- C 1350
- D 1500

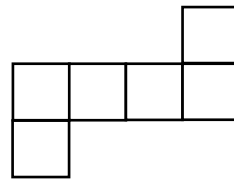
- 3 Mary Grace correctly drew the front, side and top views of a 3D object.



front



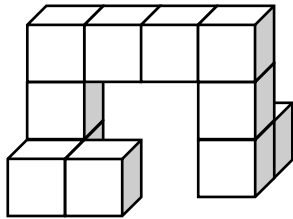
side



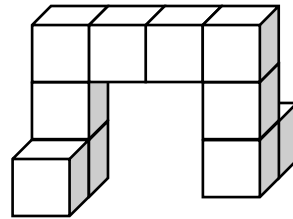
top

Which is the correct object?

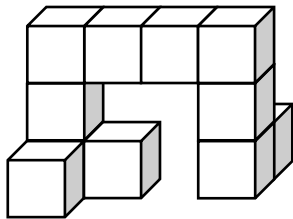
A



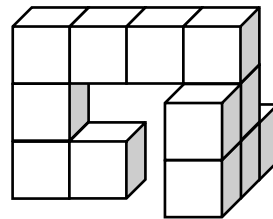
C



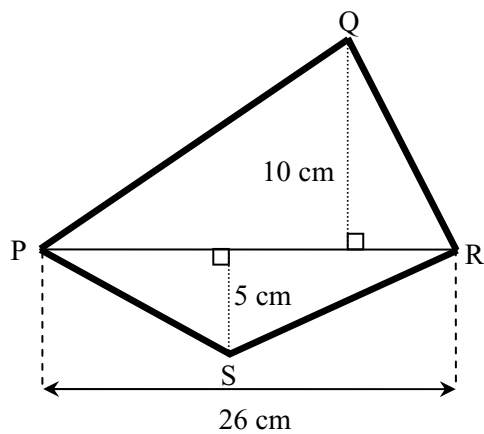
B



D



- 4 The quadrilateral PQRS is divided into two triangles. Their heights are shown.



What is the total area of the quadrilateral?

- A  $41 \text{ cm}^2$
- B  $195 \text{ cm}^2$
- C  $390 \text{ cm}^2$
- D  $780 \text{ cm}^2$

## Answers to Sample Questions

- 1 C
- 2 C
- 3 B
- 4 B