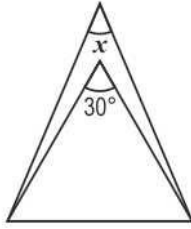


- 1 The figure here shows two isosceles triangles on the same base.



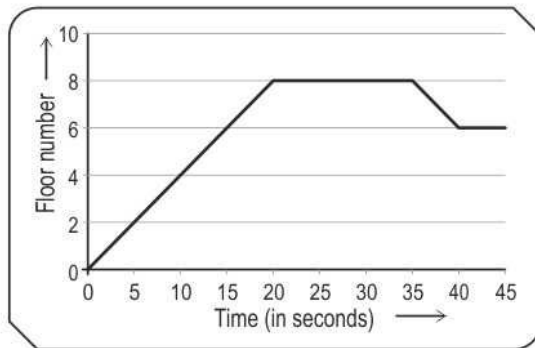
Which of the following is true regarding the angle marked x ?

- A. x is less than 30° .
- B. x is more than 30° .
- C. x is equal to 30° .
- D. (cannot say without knowing the measures of other angles in the larger triangle)

- 2 Which of the following statements is meaningless?

- A. There was a 3% decrease in the price of sugar.
- B. There was a 200% increase in the population of a town.
- C. There was a 120% decrease in the amount of water in a dam.
- D. There was 0% change in the temperature in the room after 1 hour.

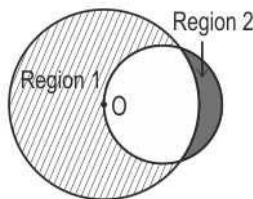
- 3 The graph below shows the motion of a lift.



Based on the above graph, which of these is true about the motion of the lift?

- A. It was in motion for a total of 25 seconds.
- B. It was stationary for 20 seconds at the 8th floor.
- C. It was stationary for 15 seconds at the ground floor.
- D. It took 10 seconds to come down to the 6th floor from the 8th floor.

- 4 Shown below is a circle with centre at O and a smaller circle which passes through O.



The radius of the larger circle is 15 cm and that of the smaller circle is 10 cm.

The area of Region 1 is 150π sq cm.

What is the area of Region 2?

- A. 25π sq cm
- B. 30π sq cm
- C. 50π sq cm
- D. 75π sq cm