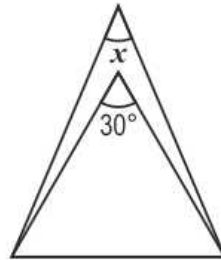


- 1 The figure here shows two isosceles triangles on the same base.



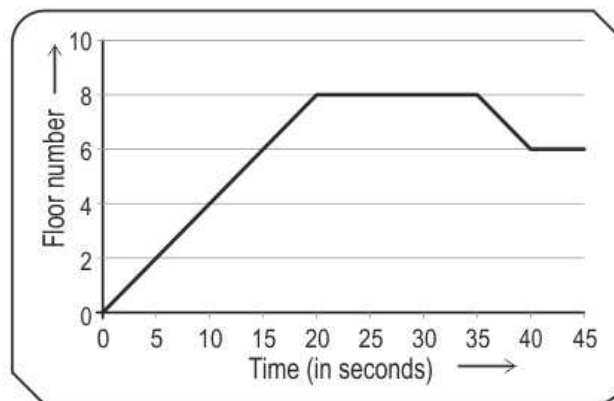
Which of the following is true regarding the angle marked  $x$ ?

- A.  $x$  is less than  $30^\circ$ .
- B.  $x$  is more than  $30^\circ$ .
- C.  $x$  is equal to  $30^\circ$ .
- 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.

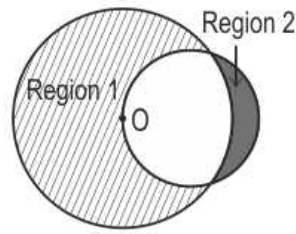
- 3 The graph below shows the motion of a lift.



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  $150\pi$  sq cm.

What is the area of Region 2?

- A.  $25\pi$  sq cm
- B.  $30\pi$  sq cm
- C.  $50\pi$  sq cm
- D.  $75\pi$  sq cm

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1 A

2 C

3 A

4 A