

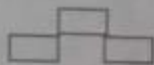


1. Students are most likely to be intrinsically motivated to learn and master mathematics when they _____
- A. know that they would be tested on their understanding of the mathematical content in the near future.
 - B. believe that the mathematics they are learning is related to their lives.
 - C. perceive that their performance compare favourably with that of peers in the same task.
 - D. anticipate that they will receive positive reinforcement for achieving instructional objective.

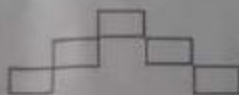
2. Study the number of boxes in the patterns below:



Pattern 1



Pattern 2



Pattern 3



Pattern 4

If the pattern is extended, how many boxes will be in Pattern 7?

- A. 7
 - B. 9
 - C. 11
 - D. 13
3. A car left Nsawam at 9:45 am. It arrived in Kumasi in 3 hours 17 minutes later. What time did the car get to Kumasi?
- A. 12:02 am
 - B. 12:52 am
 - C. 1:02 am
 - D. 1:02 pm

4. What is the next term in the pattern below?

$$4 - 4 = 0$$

$$4 - 3 = 1$$

$$4 - 2 = 2$$

$$4 - 1 = 3$$

$$4 - 0 = 4$$

$$4 - \dots = ?$$

- A. $4 - (-1) = 5$
- B. $4 - (-2) = 6$
- C. $4 - 1 = 3$
- D. $4 - 5 = -1$