

28. If A and B are the H.C.F. and L.C.M. respectively of two algebraic expressions x and y, and $A + B = x + y$, then the value of $A^3 + B^3$ is
- $x^3 - y^3$
 - y^3
 - x^3
 - $x^3 + y^3$
29. In an examination, there were 1000 boys and 800 girls. 60% of the boys and 50% of the girls passed. Find the percent of the candidates failed ?
- 44.4%
 - 48.4%
 - 49.6%
 - 46.4%
30. The sum of a pair of positive integer is 336 and their H.C.F. is 21. The number of such possible pairs is?
- 2
 - 4
 - 3
 - 5
31. "Your own contrary conviction" refers to?
- the fact that you feel pity rather than anger
 - the opinion that two and two are four and that Iceland is a long way from the Equator
 - the opinion that two and two are five and that Iceland is on the Equator
 - the fact that you know so little about arithmetic or geography
32. Conviction means
- Persuasion
 - Disbelief
 - strong belief
 - ignorance
33. The writer says if someone maintains that two and two are five you feel pity because you
- have sympathy
 - don't agree with him
 - want to help the person
 - feel sorry for his ignorance
34. The second sentence in the passage
- builds up the argument of the first sentence by restating it from the opposite point of view
 - makes the main point which has only been introduced by the first sentence
 - simply adds, a further point to the argument already stated in the first sentence
 - illustrates the point made in the first sentence
35. A school bus driver starts from the school, drives 2 km towards North, takes a left turn and drives for 5 km. He, then takes a left turn and drives for 8 km before taking a left turn again and driving for further 5 km. The driver finally takes a left turn and drives 1 km before stopping. How far and towards which direction should the driver drive to reach the school again?
- 3 km towards North
 - 7 km towards East
 - 6 km towards South
 - 5 km towards North

Directions (Q31-35): Read the following passage and answer the items that follow, Your answers to these items should be based on the passage only.

Passage II

If an opinion contrary to your own makes you angry, that is a sign that you are subconsciously aware of having no good reason for thinking, as you do. If someone maintains that two and two are five, or that Iceland is on the Equator, you feel pity rather than anger, unless you know so little of arithmetic or geography that his opinion shakes your own contrary conviction.

31. If someone else's opinion makes us angry, it means that
- we are subconsciously aware of having no good reason for becoming angry
 - there may be good reasons for his opinion but we are not consciously aware of them
 - our own opinion is not based on good reason and we know this subconsciously
 - we are not consciously aware of any reason for our own opinion

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