

2012 Bharat Forge Placement Paper:

1. A gold density is 19 times greater than the water and for copper it is 9 times. At what ratio you can mix gold and copper to get 15 times denser than water.

Ans: 3 : 2

2. Find the value of $(1.99)^2$

Ans: 3.9601

3. There is a room with 6' x 8'. A 1' tile is fixed along the 4 walls in one row. How many 1' tiles require to finish the work.

Ans: 24

4. Two persons start at the same point, walk in opposite directions with 5 km/hr and 5.5 km/hr respectively. What is the distance separated after 2 and half hrs?

Ans: 26.25 (approx)

5. In a rectangle the length is increased by of the original length. By what proportion should the width be reduced so that the area will be the same?

Ans: 33

6. A batsman scored 18 runs in his 18th innings and that makes his average 18. Find his average upto the 17th innings?

Ans: 19

7. 6 women can do 75 units of work in 8 days by working 5 hrs/day. In how many days can 4 women do 30 units of work by working 8 hrs/day?

8. 3 Persons started placementpapers with a capital of Rs.3000. B invest Rs.600 less than A, C invest Rs.300 less than B. Then what is the share amount of B in a profit of Rs.886?

9. Boys and girls are seated in 5 rows and 5 columns, such that A is seated at the center and P is right to A. If R is in front of A and Q is behind P. In which direction is Q seated with respect to R. If all the students are seated facing north.

Ans : south east

10. If 21 books must be placed in a row. In how many ways these books can be arranged such that no two new books are arranged consecutively,,,

Ans : 210