

1. How many factors of 720 are even?
a) 15 b) 36 c) 8 d) 24
2. If $17^{15} + 13^{15}$ is divided by 15, what is the remainder?
a) 3 b) 9 c) 0 d) 1
3. 'A' sells his goods 25% cheaper than 'B' and 25% dearer than 'C'. How much percentage is C's goods cheaper B's
a) 33.33% b) 50% c) 66.66% d) 40%
4. Due to a 25% hike in the price of the rice per kg a person is able to purchase 20kg less for 400 Rs. Find the increased price of rice per kg.
a) 5 b) 6 c) 10 d) 4
5. How many rectangles (of all possible size) can be formed in the chess board?
a) 920 b) 1024 c) 64 d) 1296
6. An anti aircraft gun can fire four shots at a time. If the probabilities of the first, second, third and the last shot hitting the enemy aircraft are 0.7, 0.6, 0.5 and 0.4, what is the probability that four shots aimed at an enemy aircraft will bring the aircraft down?
a) 0.036 b) 0.934 c) 0.964. d) 0.042
7. Three partners A, B and C together invested Rs.14400 in a business. At the end of the year, A got Rs.1250, B got Rs.2500 and C got Rs.3750 as profit. How much did C invest?
a) Rs.2400 b) Rs.4800 c) Rs.7200 d) Rs.9600
8. Harini distributed 250 chocolates among 4 kids. The share of the first kid, twice the share of second kid, thrice the share of third kid and four times the share of fourth kid are all equal. Find the number of chocolates received by the 3rd kid.
a) 40 b) 80 c) 60 d) 12
9. In a zoo, there are Rabbits and Pigeons. If heads are counted, there are 200 and if legs are counted, there are 580. How many pigeons are there?
a) 90 b) 100 c) 110 d) 120
10. A container contains 40 liters of milk. From this container 4 liters of milk was taken out and replaced by water. This process was repeated further two times. How much milk is now contained by the container?
a) 26.34 b) 27.36 c) 28 d) 29.16

Directions for Questions 11 and 12: The following questions are based on the information given below: All the opposite faces of a big cube are coloured with red, black and green colours. After that it is cut into 64 small equal cubes.

11. How many small cubes are there where one face is green and other one is either black or red
a) 28 b) 8 c) 16 d) 24
12. How many small cubes are there whose no faces are coloured ?
a) 0 b) 4 c) 8 d) 16
13. If 'PAPER' is 11.20, 'PENCIL' is 9.83, what will be the 'PEN'?
a) 12.80 b) 10 c) 13.79 d) 11.66
14. Pointing to a photograph, a woman says, "This man's son's sister is my mother-in-law."
How is the woman's husband related to the man in the photograph?
a) Grandson b) Son c) Son-in-law d) Nephew
15. Find the odd one out in the series 121, 169, 289, 529, 625, 841
a) 121 b) 289 c) 625 d) 841