1. Sum of three even consecutive numbers is 48, which is the least number 1) 16 2) 18 3) 20 4) 14 Sol: 4) Let the numbers be 2n, 2n+2 and 2n+4 2n + (2n+2) + (2n+4) = 48 6n = 48-6 = 42, n = 7Hence the numbers are -- > 14, 16 and 18 The least number is 14.

2. The L.C.M of two numbers is 2310 and their H.C.F is 30. If one number is 210 the Other is The other number = L.C.M * H.C.F/given number = 2310*30/210 = 330 15)

3. Five years ago the average age of a family of 3 members was 27 years. A child has Been born, dueto which the average age of the family is 25 years today. What is the Present age of the child? Average age of the family of 3 members 5 years ago = 27 years Sum of the ages of the 3 members now = (27 + 5) * 3 = 96 years Average age of the family of 4 members now = 25 years Sum of the ages of the 4 numbers now = 25*4 = 100 years Age of child = 100 - 96 = 4 years

4. A boy was asked to find the value of 3/8 of a sum of money. Instead of multiplying The sum by3/8 he divided it by 3/8 and then his answer exceeded by Rs. 55. Find the Correct be x. Sol: Let amount be x

8/3* - 3/8 * = 55 -- > 64x - 9x/24 = 55 -- > 55x/24 = 55 -- > x = 24*55/55 = 24 : . 3/8 of x = 3/8 * 24 = Rs.9

5. In a boat 25 persons were sitting. Their average weight increased one kilogram when One man goes and a new man comes in. The weight of the new man is 70kgs. Find the Weight of the man who is going.

Sol: Weight increased per person is 1 kg. Total increase in weight = 25 kgs Weight of new man is 70 kgs, (Which means his weight is 25 kgs heavier) The weight of the old man was 70 - 25 = 45 kgs

6. M men agree to purchase a gift for Rs. D. If three men drop out how much more Will each have to contribute towards the purchase of the gift
a) D/(M-3)
b) MD/3
c) M/(D-3)
d) 3D/(M2-3M)
Ans. D

7. In a class composed of x girls and y boys what part of the class is composed of girls
a) y/(x + y)
b) x/xy
c) x/(x + y)
d) y/xy
Ans.C

8. I drove 60 km at 30 kmph and then an additional 60 km at 50 kmph. Compute my average speed over my 120 km.

(a) 40 (b) 37 1/2 (c) 25 1/2 (d) 50 Ans.B

9. If the wheel of a bicycle makes 560 revolutions in travelling 1.1 km, what is its radius?
(1) 31.25 cm
(2) 37.75 cm
(3) 35.15 cm
(4) 11.25 cm
Correct Answer - (1)

10.A trader gets a profit of 25% on an article. If he buys the article at 10% lesser price and sells it for Rs. 2 less, he still gets 25% profit. Find the actual CP of the article.

Soln: 25% gain => SP = 1.25CP....1.

Now, CP is 10% less \Rightarrow 0.9CP and SP is Rs. 2 less \Rightarrow (SP-2).

Still, profit is 25% => (SP-2)=1.25(0.9CP) , where SP = 1.25CP (From 1)

ð CP = Rs. 16.

11. Which word does NOT belong with the others?a. corneab. retinac. pupild. vision

Q.) For Q12. and Q13.find the word that names a *necessary* part of the underlined word.

12. monopoly a. corrupt **b. exclusive** c. rich d. gigantic 13. facsimilea. picture**b. image**c. mimeographd. copier

14.OIL PAINTING : CANVAS :: A. etching : acid B. violin : bow **C. fresco : plaster** D. building : architecture E. watercolor : brush

15. CHECKERS : CHESS :: A. tennis : soccer B. field hockey : ice hockey C. basketball : gymnastics **D. hearts : bridge** E. square : diamond