**Objective:** Basic Math questions to enhance Logical Thinking

Solve the following questions mathematically and also try to write an algorithm to get the answer.

1 Q) The sum of two numbers is 84, and one of them is 12 more than the other. What are the two numbers?

2 Q) The sum of two consecutive numbers is 37. What are they?

3 Q) A number decreased by half of the number is four. Find the number.

4 Q) The difference between three times a number and five is sixteen. Find the number.

5 Q) Divide Rs 80 among three people so that the second will have twice as much as the first, and the third will have Rs 5 less than the second.

6 Q). A man has some hens and cows. If the number of heads be 48 and the number of feet equals 140, then the number of hens will be:

7 Q) A sum of Rs. 1360 has been divided among A, B and C such that A gets http://www.indiabix.com/_files/images/aptitude/1-div-2by3.gif of what B gets and B gets http://www.indiabix.com/_files/images/aptitude/1-div-1by4.gif of what C gets. B's share is

8 Q) To fill a tank, 25 buckets of water is required. How many buckets of water will be required to fill the same tank if the capacity of the bucket is reduced to half of its present?

9 Q. The town newspaper is published every day. One copy has 16 pages. Everyday 14,950 copies are printed. How many total pages are printed everyday?

10 Q. The number of sheets of paper available for making notebooks is 90,000. Each sheet makes 12 pages of a notebook. Each notebook contains 300 pages. How many notebooks can be made from the paper available?

11 Q)

|  |  |
| --- | --- |
| (469 + 174)2 - (469 - 174)2 | = ? |
|  |

1. \*174)

12 Q) P,Q ,R,S are distinct integers numbered from 1 to 12. What is the possible smallest value for (P/Q)+(R/S)?

1. 1/12+2/11 b. 1/11+9/10 c.1/11+2/12 d. 1/10+1/11

13 Q) 8

+88

+888

+8888

+…………

+………….. etc

There are 21 “8” digits in the last term of the series. Find the last three digits of the sum.

1. 458 b.648 c.658 d.968