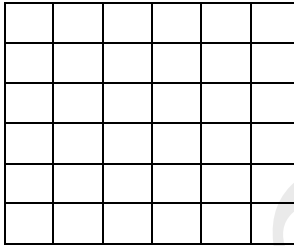


**LOGICAL REASONING  
NUMERICAL PUZZLES – 1**

(Answers on page 3)

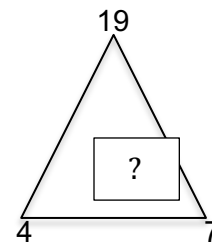
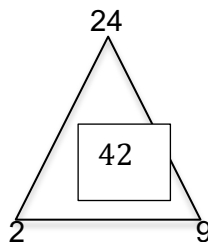
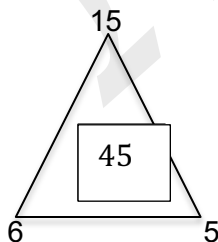
- 1) Airforce plans a stealth operation and they want to use the minimum possible number of F-35 fighter jets for the operation. What is the smallest number of jets that could fly in the given formation: two jets in front of a jet, two jets behind a jet and a jet between two jets?
  - a) 9
  - b) 3
  - c) 7
  - d) 5
- 2) Consider the given square grid of size  $6 \times 6$ . It consists of 36 identical square cells. How many squares are there altogether?



- a) 66
  - b) 75
  - c) 91
  - d) 71
- 3) An engineer divided a circular construction site into two halves and divided one half into smaller pieces of equal size. Each of the small pieces is  $16\pi$  in area. If she has total five pieces altogether, then how big was the construction site before division?
    - a)  $80\pi$
    - b)  $140\pi$
    - c)  $160\pi$
    - d)  $128\pi$
  - 4) Find out the missing number? Similar pattern is applicable to all 3 columns of numbers.

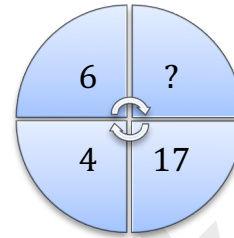
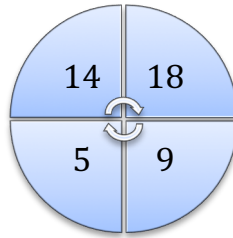
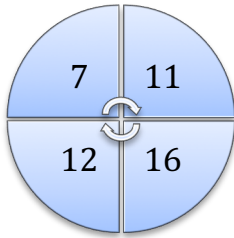
7		4		9
14		8		18
28		16		?
56		32		72

- a) 36
  - b) 24
  - c) 26
  - d) 38
- 5) A herd of 300 Horses consist of Stallions and Mares is kept in a stable. For every 5 Mares there is one Stallion. The number of Mares in the group is:
    - a) 285
    - b) 250
    - c) 295
    - d) 150
  - 6) Find the missing number?



- a) 40
- b) 37
- c) 47
- d) Either (a) or (c)

7) Which number replaces the question mark, if all figures follow the similar pattern?



a) 15

b) 19

c) 13

d) 16

8) Find the missing number in accordance with the given arrangement?

9	8	7
6	5	4
3	2	1
57	?	29

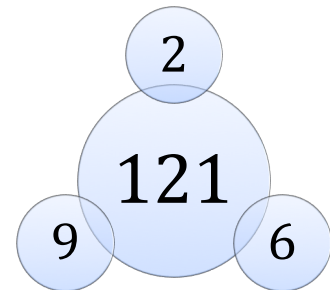
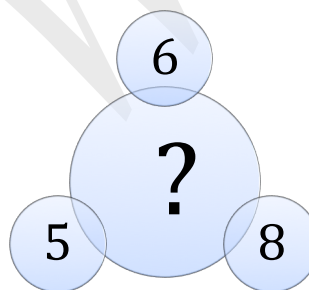
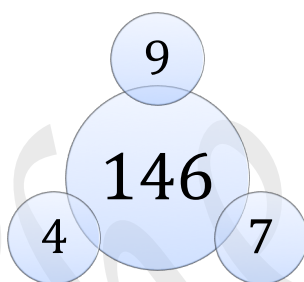
a) 43

b) 44

c) 42

d) Either (a) or (c)

9) Which number replaces the question mark?



a) 140

b) 137

c) 125

d) 158

10) Find the missing number in the table?

8	125	343	14
216	27	512	17
729	64	125	?

a) 18

b) 16

c) 23

d) 15

