

01

In how many ways can you form a 3-digit number using 3, 4 and 5 once in each combination ?



Numbers are

3 4 5,    3 5 4

4 3 5,    4 5 3

5 3 4,    5 4 3

There are six possible way to form 3 digits numbers

02

Ritesh uses some candies to form a triangle. Each of the 3 corners of the triangle has a candy. There are 5 candies on each side of the triangle. How many candies does Ritesh use to form the triangle ?



$$5 \times 3 = 15$$
















$$15 - 3 = 12$$





Deduct 3 as the corner are counted twice.




Ritesh uses 12 candies to form a triangle.










03



- a)  +  = 13;  -  = 3. Find the value of  & 
- b)  +  = 15;  +  +  +  +  = 35. Find  & 

a)  +  +  -  = 13 + 3

 +  = 16;  = 16 ÷ 2 = 8

 = 13 - 8 = 5

b)  +  +  +  +  = 35;  $15 + 15 +$   = 35;

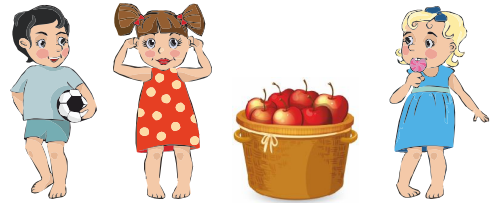
 = 35 - 30 = 5;  = 15 - 5 = 10

04

My granny is 55 years old. My mother is 30 years old. I am 6 years old. In how many years' time will the sum of our ages be 100 ?

	Year	Granny	Mother	Myself	SUM
Present	1	55	30	6	91
1 year later	2	56	31	7	97
2 years later	3	57	32	8	100
3 years later	4	58	33	9	100

**05** How many ways are there to give 12 apples to 3 children so that each child will get an even number of apples ?



$$8 + 2 + 2 = 12$$

$$6 + 4 + 2 = 12$$

$$4 + 4 + 4 = 12$$

There are 3 ways to give the apples.

So each child will get an even number of apples

**06** In the number sequence 1, 4, 9, 16, 25, 36, .....  
(a) Is the 24th term odd or even ?  
(b) Is the 35th term odd or even ?



1, 4, 9, 16, 25, 36, .....

O, E, O, E, O, E,

The number is even when it is in even position

The number is odd when it is in odd position

- a) 24 is an even number hence the number in the 24th position is even
- b) 35 is an odd number and hence the number in 35th position is odd