KMHSS ONLINE HELPLINE

MATHEMATICS

ARITHMATIC SEQUENCES

Note-1

Fill the worksheet below:

1a.Counting numbers/natural numbers: ....

b.How do we get them?

(By adding1: 1,1+1=2,2+1=3,3+1=4....)

2.a) :Even numbers are:.....

b.How do we get them?

(By adding2: 2,2+2=4,4+2=6, 6+2=8...)

3.a.Odd numbers are: .....

b.How do we get them?

(By adding 1,1+2=3,3+2=5,5+2=7,...)

4.a.Multiples of 5 are: .....

b) How do we get them?

(By adding5: 5, 5+5=10, 10+5=15,...)

4.a.The numbers ending with 1: .....

b) How do we get them?

(By adding10: 1,1+10=11,11+10=21..)

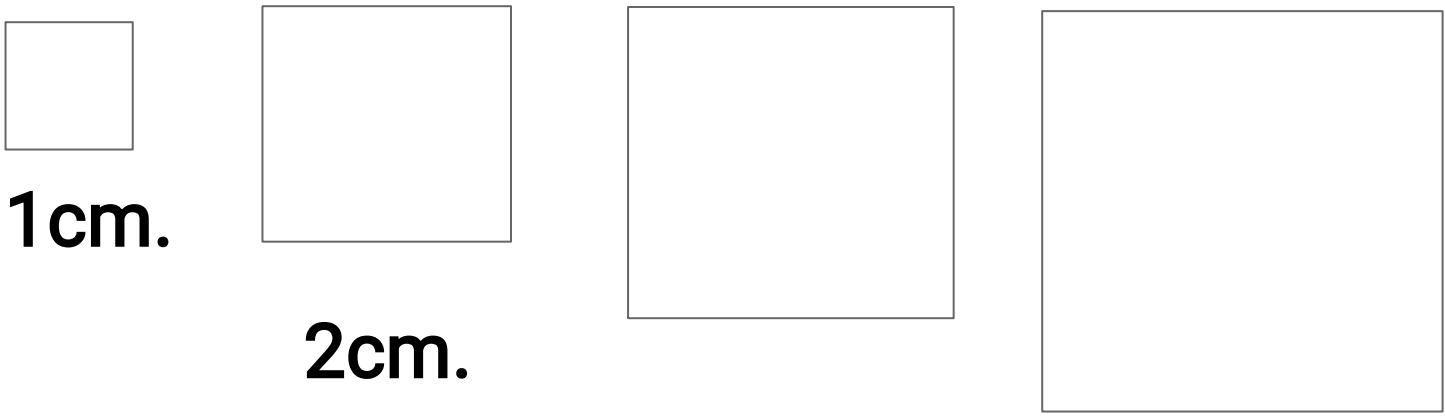
5a.The numbers which leave a remainder1 when divided by 3 are:

.....

Ans : 1,4,7,10,...

(1, 1+3=4, 4+3=7, 7+3=10, ...)

.Consider the squares.(length of a s i d e i s g i v e n)



6.The lengths of the sides of the squares in order are: .....

Ans: 1,2,3,4....

(They are natural numbers. 1,1+1=2,2+1=3,3+1=4..)

7.Areas of the squares in order are: ...

Answer: 1,4,9,16,.....

(These are squares of natural numbers also)

8.The perimeters in order are : ....

4,8,12,16,.....

(4,4+4=8,8+4=12,12+4=16)

All these number collections have a common property:

A group of numbers written as first, second, third and so on using a particular condition is called a sequence

Assignment:

Write 10 number sequences:

1. ....

2. ....

3. .....