

ONLINE CLASS STD - X 2020-21 : MATHEMATICS
WORK SHEET - 1.1

Fill in the blanks given below .

Q₁. 1 , 2 , 3 , 4 , , ,

Q₂. 2 , 4 , 6 , 8 , , ,

Q₃. 3 , 6 , 9 , 12 , , ,

Q₄. 5 , 10 , 15 , 20 , , ,

Q₅. 11 , 22 , 33 , 44 , , ,

Let's try to write 5 more rows as shown above .

Q₆. , , , , ,

Q₇. , , , , ,

Q₈. , , , , ,

Q₉. , , , , ,

Q₁₀. , , , , ,

ONLINE CLASS STD - X 2020-21 : MATHEMATICS
WORK SHEET - 1.2

Fill in the blanks given below .

Q₁. 3 ,5 , 7 , 9 , , ,

Q₂. 5 ,8 , 11 , 14 , , ,

Q₃. 6 ,10 , 14 , 18 , , ,

Q₄. 10 ,16 , 22 , 28 , , ,

Q₅. 15 ,25 , 35 , 45 , , ,

Let's try to write 5 more rows as shown above .

Q₆. , , , , ,

Q₇. , , , , ,

Q₈. , , , , ,

Q₉. , , , , ,

Q₁₀. , , , , ,

ONLINE CLASS STD - X 2020-21 : MATHEMATICS
WORK SHEET - 1.3

Fill in the blanks given below .

Q₁. 1 , 5 , 9 , 13 , , ,

Q₂. 2 , 7 , 12 , 17 , , ,

Q₃. 4 , 11 , 18 , 25 , , ,

Q₄. 7 , 11 , 15 , 19 , , ,

Q₅. 10 , 18 , 26 , 34 , , ,

Let's try to write 5 more rows as shown above .

Q₆. , , , , ,

Q₇. , , , , ,

Q₈. , , , , ,

Q₉. , , , , ,

Q₁₀. , , , , ,

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WORK SHEET - 1.4

Fill in the blanks given below .

Q₁. 100 , 90 , 80 , 70 , , ,

Q₂. 72 , 70 , 68 , 66 , , ,

Q₃. 50 , 47 , 44 , 41 , , ,

Q₄. 85 , 80 , 75 , 70 , , ,

Q₅. 60 , 54 , 48 , 42 , , ,

Let's try to write 5 more rows as shown above .

Q₆. , , , , ,

Q₇. , , , , ,

Q₈. , , , , ,

Q₉. , , , , ,

Q₁₀. , , , , ,

ONLINE CLASS STD - X 2020-21 : MATHEMATICS
WORK SHEET - 1.5

Fill in the blanks given below .

Q₁. 2 , 4 , 8 , 16 , , ,

Q₂. 3 , 9 , 27 , 81 , , ,

Q₃. 1 , 10 , 100 , 1000 , , ,

Q₄. 2 , 10 , 50 , 250 , , ,

Q₅. 5 , 20 , 80 , 320 , , ,

Q₆. $\frac{1}{2}$, $\frac{2}{2}$, $\frac{3}{2}$, $\frac{4}{2}$, , ,

Q₇. $\frac{1}{3}$, $\frac{1}{6}$, $\frac{1}{9}$, $\frac{1}{12}$, , ,

Q₈. 1 , 4 , 9 , 16 , , ,

Q₉. 1 , 8 , 27 , 64 , , ,

Q₁₀. -1 , 1 , -1 , 1 , , ,

Q₁₁. 1 , 0 , 1 , 0 , , ,

Q₁₂. 1 , 2 , 3 , 0 , 1 , 2 , 3 , 0 , , ,

Q₁₃. 1 , 3 , 6 , 10 , 15 , 21 , , ,

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Discussion - 1

We have completed five worksheets so far .Let's discuss the questions of those worksheets

Worksheet 1.1

1 , 2 , 3 , 4 , 5 , ; 2 , 4 , 6 , 8 , 10 , ; 3 , 6 , 9 , 12 ,

are some questions in this worksheet.

Here we have written numbers according to particular rule , haven't we ?

What is the rule in each question ?

Here we start with 1 and adding 1 repeatedly , don't we ?

What about the next questions ?

Worksheet 1.2

3 , 5 , 7 , 9 ; 5 , 8 , 11 , 14 , : 6 , 10 , 14 , 8 ,

are some questions in this worksheet.

Here also we have written numbers according to a particular rule , haven't we ?

What is the rule in each question ?

Here we start with 3 and adding 2 repeatedly , don't we ?

What about the next questions ?

Worksheet 1.3

1 , 5 , 9 , 13 ; 2 , 7 , 12 , 17 , : ; 4 , 11 , 18 , 25 ,

are some questions in this worksheet.

Here also we have written numbers according to a particular rule , haven't we ?

What is the rule in each question ?

Here we start with 1 and adding 4 repeatedly , don't we ?

What about the next questions ?

Worksheet 1.4

100 , 90, 80 , 70 ; 72 , 70 , 68 , 66 , ; 50 , 47 , 44 ,41 ,.....

are some questions in this worksheet.

Here also we have written numbers according to a particular rule , haven't we ?

What is the rule in each question ?

Here we start with 100 and subtracting 10 repeatedly , don't we ?

What about the next questions ?

Worksheet 1.5

2, 4, 8, 16 ; $\frac{1}{2}$, $\frac{2}{2}$, $\frac{3}{2}$, $\frac{4}{2}$, ; $\frac{1}{3}$, $\frac{1}{6}$, $\frac{1}{9}$, $\frac{1}{12}$,

are some questions in this worksheet.

Here also we have written numbers according to a particular rule , haven't we ?

What is the rule in each question ?

In the first question , we start with 2 and multiplying 2 repeatedly , don't we ?

In the sixth question , we have found out the halves of the counting numbers , haven't we ?

In the seventh question , we start with $\frac{1}{3}$ and dividing 2 repeatedly , don't we ?

What about the other questions ?

Conclusion

A set of numbers written as the first , second , third and so on , according to a particular rule is called a Number sequence

NB:

We have dealt with number sequences in the worksheets so far .