4
8
$\frac{1}{2}$
0


## Growing Pattern

Growing pattern is a pattern where something is added every time when the sequence repeats.


1


2


3


4


5

In this pattern, the number is increasing like 1, 2, 3, 4, 5
This is called growing pattern.

## Types

## Number Pattern

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

$+1$

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

It's a growing pattern, increased by 1.
2

It's a growing pattern, increased by 2.

| 54 | 58 | 62 | 66 | 70 | 74 | 78 | 82 | 86 | 90 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

$+4$
It's a growing pattern, increased by 4.

| 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

+5
It's a growing pattern, increased by 5 .

10 20 30 4050 60 | 70 | 80 | 90 | 100 |
| :--- | :--- | :--- | :--- | $+10$

It's a growing pattern, increased by 10 .

Example 1:


## Solution:

| 10 | 13 | 16 | $\square 9$ | $\square$ |
| :--- | :--- | :--- | :--- | :--- |

$$
10+3=13
$$

This sequence is increased by 3 .
The answer will be

| 10 | 13 | 16 | 19 | 22 | 25 | 28 | 31 | 34 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## Example 2:

| 40 | 45 |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 55 | $\boxed{ } 5$ | $\square$ | 70 | 75 | 80 |

## Solution:

| 40 |
| :---: | :---: |
| +5 |

$\square$
$\square$

## 70

This sequence is increased by 5 .

$$
\begin{aligned}
& 40 \\
& 45 \\
& +5
\end{aligned}
$$

## Types

## Geometrical pattern


$\triangle$ Remains the same and $\bigcirc$ is increasing one by one.

$\Delta$ is increasing one by one.


The square is increasing one by one.



The square is increasing one by one.


The circle is increasing one by one.
相


The rectangle is increasing by 2's count.

## Example 1:

$$
\Rightarrow \Downarrow \Rightarrow \Rightarrow \Downarrow \square \square \square \square \Rightarrow \Rightarrow \Rightarrow \Rightarrow \rrbracket
$$

## Solution:

$$
\begin{aligned}
& \begin{array}{llllllllll}
1 & 1 & 1 & 2 & 1 & 1 & 2 & 3 & 4 & 1
\end{array}
\end{aligned}
$$

$\sqrt{\pi}$ Remains the same and $\Rightarrow$ is increasing.
Missing term is 3 times $\Rightarrow$ and $1 \Omega$
The answer will be,
$\Leftrightarrow \Downarrow \Rightarrow \Rightarrow \Rightarrow \Rightarrow \Rightarrow \| \Rightarrow \Rightarrow \Rightarrow \rrbracket$

Example 2:


## Solution:


$\begin{array}{lllllllll}1 & 1 & 1 & 1 & 1 & 1 & 2 & 1 & 1\end{array}$
$\begin{array}{llllll}1 & 1 & 1 & 2 & 3 & 4\end{array}$

In this sequence, red and blue remains the same but yellow circle is increasing.
The answer will be,


