Do all questions of Ex-2.6,one of each type is done for you.

## EXERCISE 2.6

## Use Cordova Smart Class Software on the smart board in class to do Exercise

1. Observe the following pattern and fill in the blanks

| $1 \times 1$ | $=$ | 1 |
| ---: | :--- | ---: |
| $11 \times 11$ | $=$ | 121 |
| $111 \times 111$ | $=12321$ |  |
| $1111 \times 1111$ | $=$ | $\ldots \ldots \ldots .$. |
| $11111 \times 11111$ | $=$ | $\ldots \ldots \ldots . .$. |

2. Observe the following pattern and extend it to four more steps

| $(7 \times 2)$ | - | 3 | $=$ | 11 |
| :--- | :--- | :--- | :--- | :--- |
| $(7 \times 3)$ | - | 6 | $=$ | 15 |
| $(7 \times 4)$ | - | 9 | $=$ | 19 |
| $(7 \times 5)$ | - | 12 |  | 23 |

3. Observe the following pattern

$$
51 \cdot 2 \cdot 6 .
$$

$$
\begin{gathered}
8 \times 1+1=9 \\
8 \times 3+1=25 \\
8 \times 6+1=49 \\
8 \times 10+1=81
\end{gathered}
$$

Write three more steps
4. Study the following patter and write next three steps

$$
\begin{gathered}
1 \times 8+1=9 \\
12 \times 8+2=98
\end{gathered}
$$

## $088 \geq 6$

Using four As, miathempo operations $4,-7,4$, , and !roach create the numbers $0,1,2$ and 3.

$$
123 \times 8+3=987
$$

CLASS -7
Exercise-2.6
PATTERNS in WHOLE Numbers?

1. OBServe the following patter and fill in the blanks:-

$$
\begin{aligned}
1 \times 1 & =1 \\
11 \times 11 & =121 \\
11 \times 111 & =12321 \\
11111 \times \times 111 & =1234321 \\
11111+1111 & =123454321
\end{aligned}
$$

2. OBSove the following pattern and extend it to four mare steps?

$$
\begin{aligned}
& (7 \times 2)-3=11 \\
& (7 \times 3)-6=15 \\
& (7 \times 4)-9=23 \\
& (7 \times 5)-12=27 \\
& (7 \times 6)-15=19 \\
& (7 \times 7)-18=31 \\
& \left(7 \times \frac{8}{9}\right)-21=39
\end{aligned}
$$

