

SERIES

1) $6, 24, 54, 96, 150, 216$

$$\begin{array}{cccccc} & 18 & 30 & 42 & 54 & 66 \\ \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} \\ & 12 & 12 & 12 & 12 & \end{array}$$

2) $1, 10, 28, 55, 91, 136, 190$

$$\begin{array}{cccccc} & 9 & 18 & 27 & 36 & 45 & 54 \\ \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} \\ & & & & & & \end{array}$$

3) $13, 24, 46, 90, 178, 354$

$$\begin{array}{cccccc} & 11 & 22 & 44 & 88 & 176 \\ \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} \\ & & & & & \end{array}$$

4) $57, 69, 88, 112, 150, 186, 243, 291$

$$\begin{array}{cccccc} & \times 2 & \times 2 & \times 2 & \times 2 & & & \\ \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} \\ & 12 & 19 & 24 & 38 & 36 & 57 & 48 \\ & & & & & & & \\ & & & 12 & & & & 12 \end{array}$$

5) $5, 13, 22, 34, 51, 75, 108, 152, 209$

$$\begin{array}{cccccc} & 8 & 9 & 12 & 17 & 24 & 33 & 44 & 57 \\ \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} \\ & 1 & 3 & 5 & 7 & 9 & 11 & 13 & \end{array}$$

6) $6, 13, 24, 51, 98, 201$

$$\begin{array}{cccccc} & \times 2 & \times 2 & \times 2 & \times 2 & \times 2 \\ & +1 & -2 & +3 & -4 & +5 \end{array}$$

7) $3, 4, 10, 33, 136, 685$

$$\begin{array}{cccccc} & \times 1 & \times 2 & \times 3 & \times 4 & \times 5 \\ & +1 & +2 & +3 & +4 & +5 \end{array}$$

8) $7, 6, 13, 38, 153, 764$

$$\begin{array}{cccccc} & \times 1 & \times 2 & \times 3 & \times 4 & \times 5 \\ & -1 & +1 & -1 & +1 & -1 \end{array}$$

9) $17, 37, 77, 157, 317, 637$

$$\begin{array}{cccccc} & \times 2 & \times 2 & \times 2 & \times 2 & \times 2 \\ & +3 & +3 & +3 & +3 & +3 \end{array}$$

ROJGAR WITH ANKIT

$$10) \quad \underbrace{17}_{\times 3}, \underbrace{51}_{+7}, \underbrace{58}_{\times 2}, \underbrace{116}_{+7}, \underbrace{123}_{\times 1}, \underbrace{123}_{+7}, \boxed{130}$$

$$11) \quad \underbrace{18}_{\times 1}, \underbrace{20}_{\times 2}, \underbrace{43}_{\times 3}, \underbrace{133}_{\times 4}, \boxed{537}$$

$$\quad \quad \quad +2 \quad +3 \quad +4 \quad +5$$

$$12) \quad \underbrace{4}_{\times 2}, \underbrace{9}_{\times 2}, \underbrace{20}_{\times 2}, \underbrace{43}_{\times 2}, \underbrace{90}_{\times 2}, \boxed{185}$$

$$\quad \quad \quad +1 \quad +2 \quad +3 \quad +4 \quad +5$$

$$13) \quad \underbrace{5}_{\times 2}, \underbrace{11}_{\times 2}, \underbrace{25}_{\times 2}, \underbrace{55}_{\times 2}, \underbrace{117}_{\times 2}, \underbrace{243}_{\times 2}, \boxed{497}$$

$$\quad \quad \quad +1 \quad +3 \quad +5 \quad +7 \quad +9 \quad +11$$