

ROJGAR WITH ANKIT

Number Series

PART → 3

(1). $6, 11, 21, 36, 56, ?$ 81 Ans
 $\underbrace{\quad}_5 \quad \underbrace{\quad}_{10} \quad \underbrace{\quad}_{15} \quad \underbrace{\quad}_{20} \quad \underbrace{\quad}_{25}$

(2). $9, 17, 33, 65, ?$ 129 Ans
 $\underbrace{\quad}_8 \quad \underbrace{\quad}_{16} \quad \underbrace{\quad}_{32} \quad \underbrace{\quad}_{64}$

(3). $6, 17, 39, 72, ?$ 116 Ans
 $\underbrace{\quad}_{11} \quad \underbrace{\quad}_{22} \quad \underbrace{\quad}_{33} \quad \underbrace{\quad}_{44}$

(4). $4, 10, 22, 46, ?$ 94 Ans 190
 $\underbrace{\quad}_6 \quad \underbrace{\quad}_{12} \quad \underbrace{\quad}_{24} \quad \underbrace{\quad}_{48} \quad \underbrace{\quad}_{96}$

(5). $4, 10, 28, 82, ?$ 244 Ans
 $\underbrace{\quad}_6 \quad \underbrace{\quad}_{18} \quad \underbrace{\quad}_{54} \quad \underbrace{\quad}_{162}$

(6). $2, 5, 9, 19, 37, ?$ 75 Ans
 $\underbrace{\quad}_{\times 2 \atop +1} \quad \underbrace{\quad}_{\times 2 \atop -1} \quad \underbrace{\quad}_{\times 2 \atop +1} \quad \underbrace{\quad}_{\times 2 \atop -1} \quad \underbrace{\quad}_{\times 2 \atop +1}$

(7). $9, 10, 14, 23, 39, ?$ 64 Ans
 $\underbrace{\quad}_1 \quad \underbrace{\quad}_4 \quad \underbrace{\quad}_9 \quad \underbrace{\quad}_{16} \quad \underbrace{\quad}_{25}$
 $(1)^2 \quad (2)^2 \quad (3)^2 \quad (4)^2 \quad (5)^2$

(8). $5, 86, 135, 160, ?$ 169 Ans
 $\underbrace{\quad}_{81} \quad \underbrace{\quad}_{49} \quad \underbrace{\quad}_{25} \quad \underbrace{\quad}_9$

(9). $7, 176, 297, 378, ?$ 427 Ans
 $\underbrace{\quad}_{169} \quad \underbrace{\quad}_{121} \quad \underbrace{\quad}_{81} \quad \underbrace{\quad}_{49}$

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(10). 35, 40, 51, 68, 91, 120, ? 155 Ans
 $\begin{array}{cccccc} \text{35} & \text{40} & \text{51} & \text{68} & \text{91} & \text{120} & ? & \text{155} \\ \text{5} & \text{11} & \text{17} & \text{23} & \text{29} & \text{35} \end{array}$

(11). 8, 11, 15, 22, 33, 51, 80, 127, ? 203 Ans
 $\begin{array}{cccccc} \text{8} & \text{11} & \text{15} & \text{22} & \text{33} & \text{51} & \text{80} & \text{127} & ? & \text{203} \\ \text{3} & \text{4} & \text{7} & \text{11} & \text{18} & \text{29} & \text{47} & \text{76} \end{array}$
 $\boxed{29 + 47 = 76}$

(12). 8, 8, 32, 288, 4608, ? 115200 Ans
 $\begin{array}{cccccc} \text{8} & \text{8} & \text{32} & \text{288} & \text{4608} & ? & \text{115200} \\ \text{1} & \text{4} & \text{9} & \text{16} & \text{25} \end{array}$

(13). 240, 240, 120, 40, 10, ? 2 Ans
 $\begin{array}{cccccc} \text{240} & \text{240} & \text{120} & \text{40} & \text{10} & ? & \text{2} \\ \div 1 & \div 2 & \div 3 & \div 4 & \div 5 \end{array}$

(14). 1440, 1440, 720, 240, 60, ? 12 Ans
 $\begin{array}{cccccc} \text{1440} & \text{1440} & \text{720} & \text{240} & \text{60} & ? & \text{12} \\ \div 1 & \div 2 & \div 3 & \div 4 & \div 5 \end{array}$

(15). 9, 35, 91, 189, 341, ? 559 Ans
 $\begin{array}{cccccc} \text{9} & \text{35} & \text{91} & \text{189} & \text{341} & ? & \text{559} \\ \text{26} & \text{56} & \text{98} & \text{152} & \text{218} \\ \text{30} & \text{42} & \text{54} & \text{66} \end{array}$

(16). 32, 34, ? , 212, 850, 4252 Ans
 $\begin{array}{cccccc} \text{32} & \text{34} & ? & \text{212} & \text{850} & \text{4252} \\ \times 1 & \times 2 & \times 3 & \times 4 & \times 5 \\ + 2 & + 2 & + 2 & + 2 & + 2 \end{array}$

Homework

(17). 11, 14, 26, 53, 101, ?

(18). 13, 29, 62, 129, 264, ?

(19). 23, 28, 38, 55, 81, ?