

Number Series

- ①. check \rightarrow odd, even, Prime
- ②. check \rightarrow Square, Square root, Cube, cube root.
- ③. check \rightarrow differences between the Series.



diff \rightarrow small \Rightarrow add / sub

diff \rightarrow high \Rightarrow mul / div

- ④. Create a pattern between 1st & 2nd nos.

check \rightarrow same pattern for

2nd & 3rd nos.

check \rightarrow 3rd & 4th nos.

$\times 2 + 1$	$\times 2 + 1$
$\times 2 + 2$	$\times 3 + 2$
$\times 2 + 3$	$\times 4 + 3$

①. 7, 10, 8, 11, 9, 12, ? (10)

$+3 \quad -2 \quad +3 \quad -2 \quad +3 \quad -2$

②. 14, 28, 20, 40, 32, 64, ? (56)

$\times 2 - 8 \quad \times 2 - 8 \quad \times 2 - 8$

$+6 \quad +12$

③. 8, 6, 9, 23, 87, ? 429

$$8 \times \underline{1} = 8 - \underline{2} = 6$$

$$6 \times \underline{2} = 12 - \underline{3} = 9$$

$$9 \times 3 = 27 - 4 = 23$$

$$23 \times 4 = 92 - 5 = 87$$

$$87 \times 5 = 435 - 6 = \boxed{429}$$