

Solution to Play with Patterns

Worksheet – 2

1) Option A

(Explanation : The successive numbers are doubled or multiplied by 2)

2) Option C

(Explanation : The successive numbers are multiplied by 10)

3) Option D

(Explanation : $100 - 48 = 52$)

4) Option C

(Explanation : Each successive number is formed by adding 5 to the previous number, for example $8+5=13$, $13+5=18$, and so on)

5) Option C

(Explanation: Each successive number is doubled or multiplied by 2)

6) Option D

(Explanation :Each of the successive number is formed by subtracting 7 from the previous number)

7) Option A

8) Option C

[Explanation : If you add three numbers either in a row or a column or even diagonally you get 51, hence the missing number = $51 - (33 + 17)$]

9) Option A

(Explanation : The order of numbers added to get the successive numbers is increasing, for example : $3 + 4 = 7, 7 + 5 = 12, 12 + 6 = 18, 18 + 7 = 25, 25 + 8 = 33, 33 + 9 = 42$)

10) Option B

(Explanation : $29 + 28 = 57$)