

Solution to Worksheet – 1 of Play with Patterns

WORKSHEET – 1

PLAY WITH PATTERNS

Q.1) Option A (O)

[Hint : The order of the alphabets were increasing as the first alphabet was A(1st alphabet) followed by

C(3rd alphabet) , followed by F(6th alphabet) , followed by

J (10^{th} alphabet), so the next alphabet in the series would be O(15^{th} alphabet)]

Q2) Option C (75)

[Hint : The successive(next in series) number was increasing in terms of increasing multiples of 5, for example :

$25+5=30, 30+10=40, 40+15=55,$
 $55+20=75]$

Q3) Option A (505)

(Hint : The successive numbers were increasing by 101)

Q4) Option C (.)

[Hint : The number of sides were increasing from 3 (triangle), 4 (rectangle), 5(pentagon).So the next shape in the series should be hexagon with 6 sides]

Q5) Option B (GE)

(Hint : The number of alphabets in the word **ORANGE** was decreasing from the left end)

Q6) Option C (68,76)

(Hint : The numbers were increasing in the order of 8 for every successive term)

Q7) Option D (112,224)

(Hint : The numbers were doubled at each successive step)

Q8) Option D (110,138)

(Hint : The numbers were increasing in increasing order of even numbers. For example :

$18+20=38, 38+22=60, 60+24=84,$
 $84+26=110, 110+28=138)$

Q9) Option A (678,789)

(Hint :The numbers were
increasing in the order of 111 in
every successive step)

Q10) Option B