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# Analogy Question for SSC Exams, CGL Tier 1, CHSL at Smartkeeda

## Analogy Quiz 14

Directions: In each of the following questions, there is a certain relationship between two given numbers on one side of :: and one number is given on another side of :: while another number is to be found from the given alternatives, having the same relationship with this number as the numbers of the given pair bear. Choose the best alternative.

1. 7 : 48 :: 12 :: ?

- A. 143                                      B. 84                                      C. 121                                      D. 112

2. 7 : 36 :: 26 : ?

- A. 625                                      B. 64                                      C. 125                                      D. 325

3. 9 : 81 :: 12 : ?

- A. 124                                      B. 104                                      C. 134                                      D. 144

4. 35 : 4 :: 39 : ?

- A. 6    B. 28                                      C. 14                                      D. 20

5. 1, 2, 4, 7 : 3, 4, 6, 9 :: ? : 2, 3, 5, 8

- A. 0, 1, 3, 6                                      B. 2, 4, 5, 8                                      C. 1, 3, 4, 7                                      D. 3, 5, 6, 8

6. 25 : 625 :: 35 : ?

- A. 875                                      B. 635                                      C. 1575                                      D. 1205

7. 6 : 29 :: 24 : ?

- A. 109                                      B. 129                                      C. 119                                      D. 99

8. 24 : 126 :: 48 : ?

- A. 433                                      B. 192                                      C. 240                                      D. 344

9. 16 : 36 :: 64 : ?

- A. 4    B. 6    C. 8    D. 100

10. 1 : 8 :: 27 : ?

- A. 37    B. 47    C. 57    D. 64



**Correct Answer:**

1	2	3	4	5	6	7	8	9	10
A	A	D	D	A	A	C	D	D	D

**Explanation:**

1.  $7 \Rightarrow 7 \times 7 = 49 - 1 = 48$

Similarly,

$12 \Rightarrow 12 \times 12 = 144 - 1 = \mathbf{143}$

Hence, option A is correct.

2.  $7 - 1 = 6 \Rightarrow 6^2 = 36$

Similarly,

$26 - 1 = 25 \Rightarrow 25^2 = \mathbf{625}$

In this question 1 is subtracting from the number and then make square of number.

Hence, option A is correct.

3.  $9 \Rightarrow 9^2 = 81$

Similarly,

$12 \Rightarrow 12^2 = \mathbf{144}$

Hence, option D is correct.

4.  $35 = 7 \times 5$

↓

$7 - 5 = 2 \Rightarrow 2 \times 2 = 4$

Similarly,

$39 = 13 \times 3$

↓

$13 - 3 = 10 \Rightarrow 10 \times 2 = 20$

Hence, option D is correct.

(Subtracting the factor of 35)

(Subtracted value multiplied by 2)

(Subtracting the factor of 39)

(Subtracted value multiplied by 2)

5.

1    2    4    7

↓    ↓    ↓    ↓

+2   +2   +2   +2

↓    ↓    ↓    ↓

3    4    6    9

Similarly,

0    1    3    6

↓    ↓    ↓    ↓

+2   +2   +2   +2

↓    ↓    ↓    ↓

2    3    5    8

Hence, option A is correct.



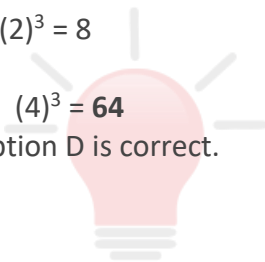
6.  $25 \times 25 = 625$   
Similarly,  
 $\Rightarrow 35 \times 25 = \mathbf{875}$   
Hence, option A is correct.

7.  $6 \times 5 - 1 = 29$   
Similarly,  
 $24 \times 5 - 1 = \mathbf{119}$   
Hence, option C is correct.

8.  $(5)^2 - 1 = 24$ ;  $5^3 + 1 = 126$   
Similarly,  
 $(7)^2 - 1 = 48$ ;  $(7)^3 + 1 = \mathbf{344}$   
Hence, option D is correct.

9.  $16 = (4)^2$   
 $36 = (4 + 2)^2$   
Similarly,  
 $64 = (8)^2$   
 $? = (8 + 2)^2 = 100$   
Hence, option D is correct.

10.  $(1)^3 = 1$ ;  $(2)^3 = 8$   
Similarly,  
 $(3)^3 = 27$ ;  $(4)^3 = \mathbf{64}$   
Hence, option D is correct.



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