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

## Analogy Quiz 21

**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. 8 : 39 :: 72 : ?**

A. 64                B. 312             C. 351             D. 300

**2. 123 : 4 :: 726 : ?**

A. 23                B. 26               C. 14               D. 12

**3. 09 : 81 :: 04 : ?**

A. 16                B. 25               C. 36               D. 49

**4. 8 * 3 : 4 :: 6 * 5 : ?**

A. 6                 B. 5                C. 0                D. 4

**5. 25 : 175 :: 32 : ?**

A. 150             B. 170             C. 162             D. 160

**6. 8 : 56 :: 9 : ?**

A. 10                B. 63               C. 7                D. 9
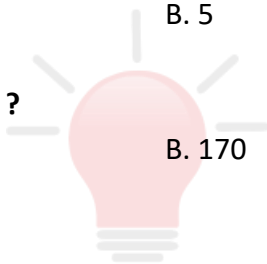
**7. MIRROR : 90 :: TERROR : ?**

A. 90                B. 93               C. 94               D. 91

**8. 25 : 343 :: 32 : ?**

A. 125             B. 216             C. 512             D. 81

**9. 85 : 55 :: 95 : ?**

A. 65                B. 81               C. 72               D. 25

**10. 74 : 65 :: 36 : ?**

A. 39                B. 54               C. 45               D. 90

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**Correct Answer:**

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

**Explanation:**

**1.**  The antecedent; 8 is first getting multiplied by 5 and then it is getting subtracted by 1 as 8 is the first multiple of 8. (8 = 8 × 1)

⇒ 8 × 5 – 1 = 39

Similarly,

We'll first multiply 72 by 5 and then subtract 9 from it as 72 is the 9th multiple of 8. (72 = 8 × 9)

⇒ 72 × 5 – 9 = **351**.

Hence, option C is correct.

**2.**  123 ⇒ 12 / 3 = 4

Similarly,

726 ⇒ 72 / 6 = 12

In this question, first two digits of the given number are divided by the third one.

Hence, option D is correct.

**3.**  9 ⇒ $9^2$ = 81

Similalry,

4 ⇒ 42 = **16**

Hence, option A is correct.

**4.**  8 – 3 = 5; 5 – 1 = 4

Similarly;

6 – 5 = 1; 1 – 1 = 0

Alternatively,

8 × 3 = 24 : Its unit's digit is 4.

6 × 5 = 30 : Its unit's digit is 0.

Hence, option C is correct.

**5.**  25 ⇒ 25 × (2 + 5) = 175

Similarly,

32 ⇒ 32 × (3 + 2) = **160**

Hence, option D is correct.

**6.**  The relation is ⇒ x × 7

8 × 7 = 56

Similarly,

9 × 7 = 63.

Hence, option B is correct.

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**7.** The relation between the word and the respective number is as follows:
(Sum of the positions of letters from left end of the alphabet) − 1

    M -13            T - 20
    I - 9             E - 5
    R -18            R - 18
    R -18   Similarly,  R - 18
    O -15           O - 15
    R -18           R - 18
    = 91             = 94
⇒ 91 - 1 = 90  ⇒ 94 - 1 = 93

Option B is hence the correct answer.

**8.** The second number is the cube of the sum of both the digits of the first number.
i.e. $2 + 5 = 7^3 = 343$
Similarly, $3 + 2 = 5^3 = 125$.
Hence, option A is correct.

**9.** The pattern follows as given below :
$85 = 8^2 - (8 - 5)^2 = 64 - 9 = 55$
Similarly, $95 = 9^2 - (9 - 5)^2 = 81 - 16 = 65$
Hence, option A is correct.

**10.** The pattern follows as given below :
$74 = 7^2 + 4^2 = 49 + 16 = 65$
Similarly, $36 = 3^2 + 6^2 = 9 + 36 = 45$
Hence, option C is correct.

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