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Reasoning Missing Number Question Figure for SSC Exams, CGL Tier 1, CHSL at Smartkeeda

Missing Number Quiz 2

Directions: Find the missing number from the given responses.

1.

15	5	7	10
64	4	5	?
91	?	9	22

A. 21, 7

B. 12, 4

C. 24, 8

D. 35, 5

2.

44	49	37
52	?	41
58	35	53

A. 66

B. 55

C. 77

D. 46

3.

28	5	2	46
35	8	5	?
22	?	7	112

A. 135, 6

B. 126, 4

C. 124, 8

D. 135, 5

4.

38	54	61	79
21	?	12	24
19	09	14	?

A. 18, 46

B. 28, 51

C. 42, 62

D. 18, 44

5.

11	24	13	?
8	12	10	10
16	9	?	13

A. 11, 13

B. 12, 20

C. 22, 12

D. 9, 13

6.

7	6	4	5
10	9	5	4
5	8	6	?
57	78	34	25

A. 5

B. 6

C. 4

D. 7

7.

36	6	9	15
88	11	9	?
120	?	6	18

A. 54,41

B. 17,82

C. 17,10

D. 96,13

8.

3	P	7
V	36	R
15	T	11

4	D	8
J	?	F
16	H	12

2	L	6
R	32	?
14	P	10

A. 40, M

B. 32, M

C. 40, N

D. 32, N

9.

5	3	6
7	20	?
9	21	17
38	?	47

A. 43, 32

B. 55 , 65

C. 43, 48

D. 43, 55

10.

7	4	3	?	31
8	3	5	4	52
9	3.5	2	4	?

A. 2 and 51

B. 4 and 40

C. 2.5 and 24

D. 2.5 and 32

Correct answer:

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

Explanation:

1. The numbers in the matrix follow the below mentioned logic:

    15 ÷ 5 + 7 = 10

    64 ÷ 4 + 5 = **21**

    91 ÷ ? + 9 = 22

    ? = 91 ÷ 13

    = **7**

    Hence, option A is correct.

2.

44	49	37
52	**77**	41
58	35	53

    The above table is following the rule:

    44 – 37 = 7 × 7 = 49

    58 – 53 = 5 × 7 = 35

    Similarly,

    52 – 41 = 11 × 7 = 77.

    Hence, there must be 77 in place of a question mark.

    Therefore, option C is correct.

3. The numbers in the matrix follow the below mentioned logic:(irrespective of the rules of BODMAS)

$28 - 5 \times 2 = 46$

$35 - 8 \times 5 = \mathbf{135}$

$22 - ? \times 7 = 112$

$22 - ? = 112 \div 7$

$= \mathbf{6}$

Hence, option A is correct.

4. The numbers in the matrix follow the below mentioned logic:

The value at the middle row is the sum of digits of top and bottom rows.

For first column,

Value in the top row =38 , Value in the bottom row = 19

Sum of digits = 3 + 8 + 1 + 9 = **21, is the value in the middle row.**

For second column,

Thus 5 + 4 + 0 + 9 = **18** is the required value.

For third column,

Thus, 6 + 1 + 1 + 4 = 12

For fourth column,

Thus, 7 + 9 + x = 24

24 - 16 = x

= **8** is the required value.

The combination where sum of digits comes to 8 should be the correct match.

Only option C and D are such where sum of the digits of the second number comes to 8, but in option C the first value doesn't match with 18.

In option D, the first value is 18 and the sum of digits of second value is 4 + 4 = 8.

Hence, option D is correct.

5. The numbers in the matrix follow the below mentioned logic:

11 + 24 – 13 = **X**

8 + 12 – 10 = 10

16 + 9 – ? = 13

Solving this we get:

35 –13 = **22**

16 + 9 – **12** = 13

Hence, option A is correct.

6. Pattern of the missing element

10 × 5 + 7 = 57,

9 × 8 + 6 = 78,

5 × 6 + 4 = 34,

4 × 5 + 5 = 25

Hence, option A is correct.

7. The numbers in the matrix follow the below mentioned logic:

36 ÷ 6 + 9 = 15

88÷ 11 + 9 = **17**

120 ÷ ? + 6 = 18

? = 120 ÷ 12

= **10**

Hence, option C is correct.

8.   Pattern of the given missing element is 40, N

Digit : Digits are increasing by +4.

Alphabets : Alphabets are increasing by + 2.

Hence, option C is correct.

9.   Pattern of the following table is:

5 × 9 − 7 = 45 − 7 = 38

Similarly,

21 × 3 − 20 = 63 − 20 = **43**

17 × 6 − **55** = 47

5	3	6
7	20	**55**
9	21	17
38	**43**	47

Hence, option D is correct.

10.   The pattern of the numbers is:

7 × 3 + 4 × **2.5** = 31

8 × 5 + 3 × 4 = 52

9 × 2 + 3.5 × 4 = **32**

Hence, option A is correct.