Questions : 1

What number should logically replace the question mark?

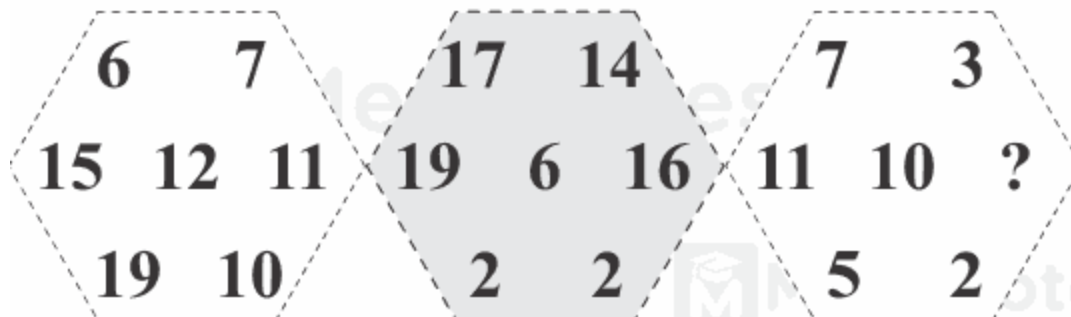| 12	7	13	8	14	8
	4		4		?
	21		26		16
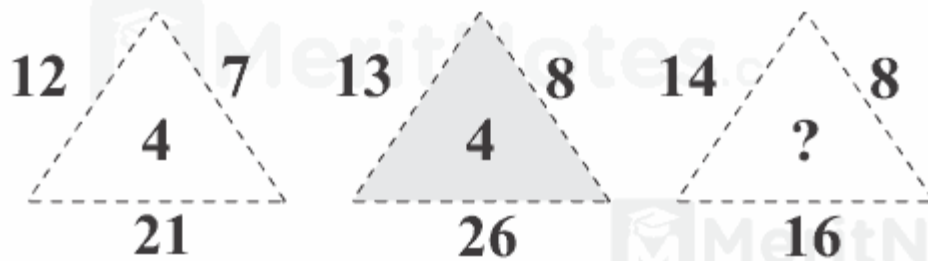
Ans: 7

The center number is the product of the top two numbers divided by the bottom number.

Questions : 2

What number should replace the question mark?

6 7	17 14	7 3
15 12 11	19 6 16	11 10 ?
19 10	2 2	5 2
A	**B**	**C**

Ans:

A (6 + 15 + 19) - (7 + 11 + 10) = 12

B (17 + 19 + 2) - (14 + 16 + 2) = 6

C (11 + 7 + 5) - (3 + 8 + 2) = 10

Questions : 3

What number should logically replace the question mark?

14 91 62 53 64 ?

Ans: 96

The numbers are successive perfect squares (1, 4, 9, 16, 25, 36, 49, 64) split groups of two numbers.

Questions : 4

What is the value of X?

$$- 8 + 6 \times 8 - 2 \times 5 = ***$$

Ans: 30

-8 + (6 x 8) - (2 x 5) = 30.

Multiply the smallest prime number by the largest odd number?

29	63	51	21	47	65
61	87	85	73	45	41
49	95	31	55	93	83
79	43	15	91	59	27
35	77	67	19	71	23
37	81	99	53	19	33

Ans: 188119 x 99