

Q1. Find the missing term in the given series:

7, 8, 18, 57, ?

(a) 242

(b) 216

(c) 228

(d) 232

Q2. Pointing out to a lady, a girl said, "She is the only daughter-in-law of the paternal grandmother of my father's only son." How is the lady related to the girl?

(a) Sister-in-law

(b) Mother

(c) Aunt

(d) Mother-in-law

Q3. If 'South-east' is called 'East', 'North-west' is called 'West', 'South-west' is called 'South' and so on, what will 'North' be called?

(a) East

(b) North-east

(c) North-west

(d) South

Q4. In a certain code, SPRING is written as UNUFRC. How will the word MOBILE be written in that code language?

(a) KQEFPA

(b) OMDGNC

(c) OMDGPA

(d) OMEFPA

Q5. If P means 'division', T means 'addition', M means 'subtraction' and D means 'multiplication', then what will be the value of the expression $12 \text{ M } 12 \text{ D } 28 \text{ P } 7 \text{ T } 15$?

(a) - 30

(b) - 15

(c) 15

(d) None of these

S1. Ans. (d)

Sol.

The pattern is $\times 1 + 1, \times 2 + 2$ and so on.

Therefore, missing term = $57 \times 4 + 4 = 232$

S2. Ans. (b)

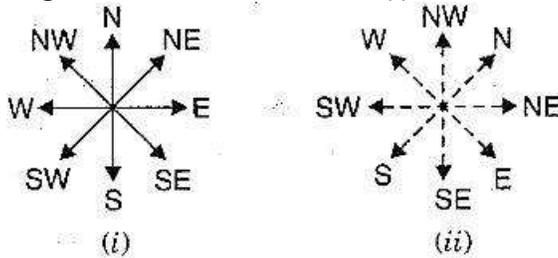
Sol.

Girl's father's only son— Girl's brother; Grandmother of girl's brother— Girl's grandmother;
Daughter-in-law of girl's grandmother— Girl's mother.

S3. Ans. (c)

Sol.

In diagram (i) the directions are shown as they actually are. Diagram (ii) is as per the given data. So, comparing the direction of North in (i) with that in (ii), North will be called North-west.



S4. Ans. (d)

Sol.

The first, third and fifth letters in the word are moved two, three and four steps forward respectively while the second, fourth and sixth letters are moved two, three and four steps backward respectively to obtain the corresponding letters of the code.

S5. Ans. (d)

Sol.

Using the correct symbols, we have:

$$\text{Given expression} = 12 - 12 \times 28 \div 7 + 15$$

$$= 12 - 12 \times 4 + 15$$

$$= 12 - 48 + 15 = 27 - 48 = -21.$$