Q. No. 8

a. Faisal Mosque in Islamabad constructed by a Turkish architect with worship halls of a certain geometrical shape. Write the formula for the area of specific shape used as an outer view of worship halls.

b. In a mixture of 60 liters, the ratio of milk and water is 2:1. If this ratio is to be 1:2, then what is the quantity of water to be further added?

c. If A is the brother of B and B is the sister of C, C is the father of D. How D is related to A, D being a male member?

d. In a certain code ROAR is written as URDU. How URDU will be written in that code?

Q.8

Q1a Faisal Mosque in Islamabad Constructed by a Turkish architect with worship halls of a certain geometrical shape. Write

Please write formula for me
I don't know the answer.

(b)

Q2 Given Data :

Ratio of milk and water = 2:1
in 60 liters mixture
if ratio = 1:2
quantity to water to be further added = ?

Solution

In 2:1, quantity of milk
in the mixture is 40 litres
quantity of water = mixture - milk
.· = 20 liters

As per given condition (x to be quantity further added)

$$\frac{40}{20+x} = \frac{1}{2}$$
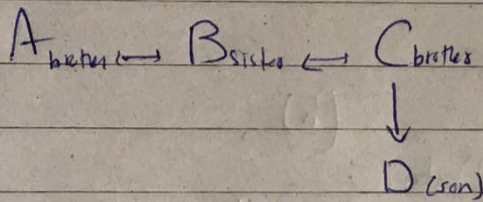
$$80 = 20+x$$

$$80-20 = x$$

$$\boxed{60 = x}$$

(c)

if A is brother of B and B is the sister of C, Ci is father of D. How D is related to A, D being a male member?

D is nephew of A

A_brother ⟶ B_sister ⟵ C_brother

↓

D (son)

d

In a certain Code ROAR is written as URDU. How URDU will be written is that code?

XUGX

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Q. No. 7

   a. A number is divided by 6 and then 50 is added. If the total is 60, what is that number?

   b. Find the odd one out:

      8, 16, 24,34,40,48

   c. A tower is 15m tall. If I am standing 20m from the base of the tower. What is my aerial distance from the top of the tower?

   d. In a hotel, the tariff for every odd dates is Rs.1000 and for even dates is Rs. 2000. If the man paid total of 30000 in all. For how many days did he stay in the hotel given that the first day is 5th date of the month?

Q.7

a

let the number be = x

$$\frac{x}{6} + 50 = 60$$

$$\frac{x}{6} = 60 - 50$$

$$\frac{x}{6} = 10$$

$$x = 6 \times 10$$

$$x = 60$$

no. is 60.

b find odd one out

34

as all other numbers are multiple of 8.

c

Given data:

tower   height = 15m

persons height = 20m

aerial distance = ?

= 20 - 15

= 5m

d

tarrif for odd dates = Rs. 1000

tarrif for even dates = Rs. 2000

total paid = 30000

how many days did he stay in the hotel given first day is 5th date of the month?

Solution:

He stayed for 20 days

from date 5 to date 24.

10 days of even ↳ 2000 × 10 = 20000

10 days of odd ↳ 1000 × 10 = 10000

total = 30000