

CSS-2022 Q# 8(d)

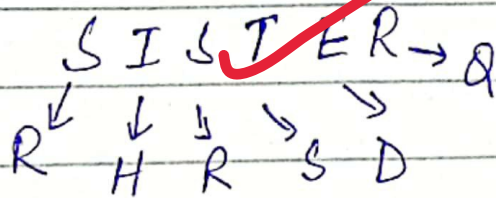
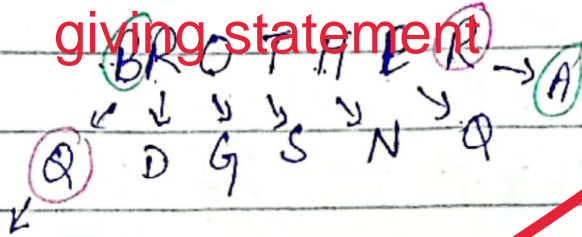
BROTHER coded as QGSNQA

Write SISTER?

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

Explain the logic in detail by giving statement



CSS-2022, Q# 7 (B)

Find missing numbers.

a) 4, 16, 36, 64, ?, 144

$(2)^2 = 4$

$(4)^2 = 16$

$(6)^2 = 36$

$(8)^2 = 64$

$(10)^2 = 100$

$(12)^2 = 144$

→ 4, 16, 36, 64, 100, 144 Ans

b) 30, 29, 27, ?, 20, 15

$30 - 1 = 29$

$29 - 2 = 27$

$27 - 3 = 24$

$24 - 4 = 20$

$20 - 5 = 15$

So → 30, 29, 27, 24, 20, 15 Ans

Next class

Mean

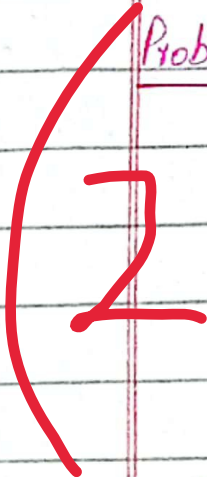
Average

Median

Mode

Range

Probability



27
—
24

24

c) 1, 7, 15, 25, ?, 51

$$7 - 1 = 6$$

$$15 - 7 = 8$$

$$25 - 15 = 10$$

If $12 + 25 \Rightarrow 37$

Then, $37 - 25 \Rightarrow 12$

Similarly, $51 - 37 = 14$

So, 1, 7, 15, 25, 37, 51

6
7-1=6
15-7=8
25-15=10
37-15=12
51-37=14

d) 0, 2, 6, 12, 20, 30, ?

$$2 - 0 = 2$$

$$6 - 2 = 4$$

$$12 - 6 = 6$$

$$20 - 12 = 8$$

$$30 - 20 = 10$$

By adding 12 in 30, we get 42.

$$42 - 30 = 12$$

So $\Rightarrow 0, 2, 6, 12, 20, 30, \underline{42}$.

Explain in statement form as well

e) 48, 24, 72, 36, 108, ?

$$\div 2$$

$$\times 3$$

$$\div 2$$

$$\times 3$$

$$48 \div 2 = 24$$

$$24 \times 3 = 72$$

$$72 \div 2 = 36$$

$$36 \times 3 = 108$$

So, by multiplying 108 with 2,

~~we~~ we will get:-

$$\begin{array}{r} 108 \\ \times 2 \\ \hline 216 \end{array}$$

$\Rightarrow 48, 24, 72, 36, 108, \underline{216}$ Ans.

$$\frac{624}{72}$$

$$\frac{636}{108}$$

3

CSS 2023, Q # 6 (B)

a) 1, 8, 4, 27, 9, ?

$$8 \div 4 = 2$$

$$27 \div 9 = 3$$

b) 3, 6, 8, 16, 18, ?

$$6 - 3 = 3$$

$$8 - 6 = 2$$

$$16 - 8 = 8$$

$$18 - 16 = 2$$

3, 6, 8, 16, 18, 26 Ans.

d) 81, 9, 64, 8, ? , 12

$$(9)^2 = 81$$

$$(8)^2 = 64$$

$$(12)^2 = 144$$

so \rightarrow 81, 9, 64, 8, 144, 12

c) 2, 8, 512, ?

$$(2)^3 = 8$$

$$(8)^3 = 512$$

$$(512)^3 = 1536$$

\Rightarrow 2, 8, 512, 1536.

e) 6, 11, 21, 36, 56, ?

$$11 - 6 = 5$$

$$21 - 11 = 10$$

$$36 - 21 = 15$$

$$56 - 36 = 20$$

$$\Rightarrow 6, 11, 21, 36, 56, \underline{81}$$

By adding 25 in 56, we get

$$56 + 25 = 81$$

$$\text{So, } 81 - 56 = 25$$

CSS 2017, Q # 7(D)

A told B that C is his father's nephew.

D is A's cousin but not brother of C.

What is relationship there between A

D and C?



C = father's nephew \Rightarrow A's cousin

D = A's cousin \Rightarrow not brother of C.

~~May be, D is sister of~~

May be, D is sister of C.