

[Download Doubtnut Now](#)

**Q-1 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS**

The sum

$$\frac{3}{1! + 2! + 3!} + \frac{4}{2! + 3! + 4!} + \dots + \frac{2016}{2014! + 2015! + 2016!}$$
 is

equal to

(A)  $\frac{1}{2} - \frac{1}{2014!}$

(B)  $\frac{1}{2} - \frac{1}{2016!}$

(C)  $\frac{1}{2016! - 2018!}$

(D)  $\frac{1}{2017!} - \frac{1}{2018!}$

---

**Correct Option : B**

## SOLUTION

$$\begin{aligned} S &= \sum_{K=1}^{2014} \frac{K+2}{K! + (K+1)! + (K+2)!} = \sum_{K=1}^{2014} \frac{K+2}{K!(K+2)^2} = \sum_{K=1}^{2014} \frac{1}{K!(K+2)} \\ &= \sum_{K=1}^{2014} \frac{K+1}{(K+2)} = \sum_{K=1}^{2014} \frac{K+2-1}{(K+2)!} = \sum_{K=1}^{2014} \left[ \frac{1}{(K+1)!} - \frac{1}{(K+2)!} \right] \end{aligned}$$

ATTEMPT FREE TEST ON DOUBTNUT 

### Q-2 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

Let A,G,H are respectively the A.M., G.M and H.M. between two positive numbers. If  $xA = yG = zH$  where x,y,z are non-zero quantities then x,y,z are in

- (A) A.P
- (B) G.P
- (C) H.P
- (D) A.G.P

Correct Option : B

## SOLUTION

$$xA = yG \Rightarrow \frac{x}{y} = \frac{G}{A} = \frac{2\sqrt{ab}}{a+b}$$

$$yG = zH \Rightarrow \frac{y}{z} = \frac{2\sqrt{ab}}{a+b} \therefore \frac{x}{y} = \frac{y}{z}$$

ATTEMPT FREE TEST ON DOUBTNUT 

### Q-3 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

The sum of the coefficients of the polynomial obtained by collection of like terms after the expansion of

$$(1 - 2x + 2x^2)^{743} (2 + 3x - 4x^2)^{744} \text{ is}$$

(A) 2974

(B) 1487

(C) 1

(D) 0

Correct Option : C

## SOLUTION

$$(1 - 2x + 2x^2)^{743} (2 + 3x - 4x^2)^{744} = a_0 + a_1x + \dots + a_{2974}x^{2974}$$

$$\text{put } x = 1 \Rightarrow 1 = a_0 + a_1 + \dots + a_{2974}$$

ATTEMPT FREE TEST ON DOUBTNUT 

### Q-4 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

if  $a_i, i = 1, 2, 3, 4$  be four real numbers of same sign then the

minimum value of  $\sum \sum \frac{a_i}{a_j}$  where  $i, j \in \{1, 2, 3, 4\}$  and  $i \neq j$  is

(A) 6

(B) 8

(C) 12

(D) 24

---

Correct Option : C

## SOLUTION

Let

$$E = \frac{a_1}{a_2} + \frac{a_1}{a_3} + \frac{a_1}{a_4} + \frac{a_2}{a_1} + \frac{a_2}{a_3} + \frac{a_2}{a_4} + \frac{a_3}{a_1} + \frac{a_3}{a_2} + \frac{a_3}{a_4} + \frac{a_4}{a_1} -$$
$$\text{A.M.} \geq \text{G.M.} \Rightarrow \frac{E}{12} \geq \left( \frac{a_1}{a_2} \cdot \frac{a_1}{a_3} \cdot \dots \cdot \frac{a_4}{a_3} \right)^{1/12} \Rightarrow E \geq 12$$

ATTEMPT FREE TEST ON DOUBTNUT 

Q-5 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

The value of  $\left(1 + \frac{1}{3}\right) \left(1 + \frac{1}{3^2}\right) \left(1 + \frac{1}{3^4}\right) \left(1 + \frac{1}{3^8}\right) \dots$  to  $\infty$  is

(A) 3

(B) 43621

(C) 43526

(D) 2

---

Correct Option : C

## SOLUTION

$$\frac{(1 - \frac{1}{3})(1 + \frac{1}{3})(1 + \frac{1}{3^2}) \dots n \text{ terms}}{(1 - \frac{1}{3})} = \frac{3}{2} \left[ 1 - \frac{1}{3^{2^h}} \right] = \frac{3}{2} \text{ as } n \rightarrow \infty$$

ATTEMPT FREE TEST ON DOUBTNUT 

### Q-6 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

The remainder when  $15^{23} + 23^{23}$  is divided by 38 is

- (A) 4
- (B) 17
- (C) 23
- (D) 0

Correct Option : D

## SOLUTION

$$(19 - 4)^{23} + (19 + 4)^{23} = 2 \left[ {}^{23}C_0 10^{23} 4 + \dots + {}^{23}C_{22} 19^1 4^{22} \right]$$

Q-7 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

The value of  $\sum_{r=0}^{20} (r(20-r)) \binom{20}{r}^2$  is equal to

(A)  $400 \cdot {}^{39}C_{20}$

(B)  $400 \cdot {}^{40}C_{19}$

(C)  $400 \cdot {}^{39}C_{19}$

(D)  $400 \cdot {}^{38}C_{20}$

Correct Option : D

**SOLUTION**

$$\begin{aligned} \sum_{r=0}^{20} r(20-r) \binom{20}{r} \binom{20}{r} &= \sum_{r=0}^{19} r(20-r) \binom{20}{r} \binom{20}{20-r} \\ &= 400 \sum_{r=0}^{19} \binom{19}{r} \binom{19}{19-r} = 400 \cdot {}^{38}C_{18} = 400 \cdot {}^{38}C_{20} \end{aligned}$$

The term independent from  $x$  in the expansion of

$$\left(1 + \sqrt{x} + \frac{1}{\sqrt{x} - 1}\right)^{-30} \text{ is}$$

(A)  ${}^{30}C_{20}$

(B) 0

(C)  ${}^{30}C_{10}$

(D)  ${}^{30}C_5$

Correct Option : B

**SOLUTION**

$$\left(1 + \sqrt{x} + \frac{1}{\sqrt{x} - 1}\right)^{-30} = \left(\frac{\sqrt{x} - 1}{x}\right)^{30} = \frac{(\sqrt{x} - 1)^{30}}{x^{30}} \Rightarrow$$

these is no constant term

ATTEMPT FREE TEST ON DOUBTNUT 



if  $\cos(x - y)$ ,  $\cos y$ ,  $\cos(x + y)$  are H.P. then the value of

$\left| \cos y \cdot \sec\left(\frac{x}{2}\right) \right|$  is equal to  $(x = 2n\pi)$

(A) 2

(B) 1

(C)  $\sqrt{2}$

(D) none of these

---

Correct Option : C

### SOLUTION

if  $a, b, c$ , are in H.P then  $b = \frac{2ac}{a + c}$

ATTEMPT FREE TEST ON DOUBTNUT 

If the sum of  $n$  terms of an A.P is  $cn(n + 1)$  where  $c \neq 0$  then sum of cubes of these terms is

(A)  $c^2n^2(n + 1)^2$

(B)  $2c^3n^2(n + 1)^2$

(C)  $\frac{2c^3}{3}n^2(n + 1)(2n + 1)$

(D)  $\frac{2}{3}c^3n^2(n - 1)(2n - 1)$

Correct Option : B

### SOLUTION

$$t_n = S_n - S_{n-1}$$

ATTEMPT FREE TEST ON DOUBTNUT 

Q-11 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

Sum of  $n$  terms of the series

$$\tan \theta \sec 2\theta - \tan 2^{n-1}\theta. \sec 2^2\theta + \dots + \tan 2^{n-1}\theta. \sec 2^n\theta.$$

(A)  $\tan 2\theta - \tan 2^{n-1}\theta$

(B)  $\tan 2^n\theta - \tan \theta$

(C)  $\tan \theta - \tan 2^n\theta$

(D)  $\tan 2^{n-1} - \tan 2\theta$

---

Correct Option : B

### SOLUTION

$$\begin{aligned}\text{Consider } \tan 2\theta - \tan \theta &= \frac{2 \tan \theta}{1 - \tan^2 \theta} \\ &= \tan \theta \left( \frac{2}{1 - \tan^2 \theta} - 1 \right) = \tan \theta \left( \frac{1 + \tan^2 \theta}{1 - \tan^2 \theta} \right)\end{aligned}$$

$$= \tan \theta \cdot \sec 2\theta$$

$$\begin{aligned}\therefore S_n &= \tan \theta \cdot \sec 2\theta + \tan 2\theta + \tan 2\theta \cdot \sec 2^2\theta + \dots + \tan 2^{n-1}\theta \cdot \sec 2^n\theta \\ &= (\tan 2\theta - \tan \theta) + (\tan 2^2\theta - \tan 2\theta) + \dots + (\tan 2^n\theta - \tan 2^{n-1}\theta) \\ &= -\tan \theta + \tan 2^n\theta\end{aligned}$$

ATTEMPT FREE TEST ON DOUBTNUT 

Let  $f(n) = \sum_{r=0}^n \sum_{k=r}^n \cdot^k C_r$  the total number of divisors of  $f(9)$  is

(A) 7

(B) 8

(C) 9

(D) 6

Correct Option : B

### SOLUTION

$$\sum_{k=r}^n \cdot^k C_r = \cdot^r C_r + \cdot^{r+1} C_r + \cdot^{r+2} C_r + \dots + \cdot^n C_r$$

$$= 1 + \cdot^{r+1} C_r + \cdot^{r+2} C_r + \dots + \cdot^n C_r$$

$$= \cdot^{r+1} C_0 + \cdot^{r+1} C_1 + \cdot^{r+2} C_2 + \dots + \cdot^n C_{n-r}$$

$$= \cdot^{r+2} C_1 + \cdot^{r+2} C_2 + \dots + \cdot^n C_{n-r}$$

$$= \cdot^{r+3} C_2 + \dots + \cdot^n C_{n-r}$$

$$= \cdot^{n+1} C_{n-r} = \cdot^{n+1} C_{r+1}$$

$$\therefore f(n) = \sum_{r=0}^n \cdot^{n+1} C_{r+1} = \cdot^{n+1} C_1 + \cdot^{n+1} C_2 + \dots + \cdot^{n+1} C_{n+1}$$

$$= 2^{n+1} - 1$$

$$\Rightarrow f(9) = 2^{10} - 1 = 1023 = 3.11.31$$

$$\therefore \text{number of divisors} = (1 + 1)(1 + 1)(1 + 1) = 8$$

ATTEMPT FREE TEST ON DOUBTNUT 

**Q-13 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS**

Concentric circles radii 1,2,3,..100 cm are drawn. The interior of the smallest circle is coloured red and the annular regions are coloured alternately green & red such that no two adjacent regions are of the same color. Then the total area of green regions is given by

(A)  $1000 \pi$  sq. cm

(B)  $5050 \pi$  sq. cm

(C)  $4950 \pi$  sq. cm

(D)  $5151\pi$  sq. cm

---

Correct Option : B

## SOLUTION

Area

$$= \pi[(2^2 - 1) + (4^2 - 3^2) + \dots + (100^2 - 99^2)] = \pi[1 + 2 + 3 + \dots + 100]$$

ATTEMPT FREE TEST ON DOUBTNUT 

Q-14 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

The coefficient of  $x^n$  in the expansion of  $(1 - 9x + 20x^2)^{-1}$  is given by

(A)  $5^n - 4^n$

(B)  $5^{n+1} - 4^{n+1}$

(C)  $5^{n+1} - 4^{n-1}$

(D)  $5^{n-1} - 4^{n+1}$

---

Correct Option : B

## SOLUTION

$$\frac{1}{(1-5x)} - \frac{1}{(1-4x)}$$
$$= \frac{5}{1-5x} - \frac{4}{(1-4x)} = 5 \left[ 1 + (5x) + (5x)^2 + \dots \right] - 4 \left[ 1 + (x) + (x)^2 + \dots \right]$$

ATTEMPT FREE TEST ON DOUBTNUT 

### Q-15 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

if ninth term in the expansion of

$$\left( 3^{\frac{1}{3} \log_3 (9^{x-1} + 7)} + \frac{1}{3^{\frac{1}{8} \log_3 (3^{x-1} + 1)}} \right)^{11}$$

is 660. then the value of x is

(A) 4

(B) 1 or 2

(C) 0 or 1

(D) 3

---

Correct Option : B

## SOLUTION

$$\left( 3^{\frac{1}{3}\log_3(9^{x-1}+7)} + \frac{1}{3^{\frac{1}{8}\log_3(3^{x-1}+1)}} \right)^{11}$$
$$T_g = {}^{.11}C_8 \cdot (9^{x-1} + 7) \cdot \frac{1}{(3^{x-1} + 1)} = 660$$
$$\Rightarrow \frac{9^{x-1} + 7}{3^{x-1} + 1} = 4 \Rightarrow t^2 - 4t + 3 = 0$$
$$\Rightarrow t = 1, 3 \Rightarrow x = 1 \text{ or } 2$$

ATTEMPT FREE TEST ON DOUBTNUT 

### Q-16 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

The value of  $\frac{{}^{.50}C_0}{3} - \frac{{}^{.50}C_1}{4} + \frac{{}^{.50}C_2}{5} \dots + \frac{{}^{.50}C_{50}}{53}$  is equal to

(A)  $\int_0^1 x^3(1-x)^{50} dx$

(B)  $\int_0^1 x(1-x)^{50} dx$

(C)  $\frac{1}{2652}$

(D)  $\frac{1}{70278}$



Correct Option : D

### SOLUTION

$$\begin{aligned} & \frac{{}^{50}C_0}{3} - \frac{{}^{50}C_1}{4} + \frac{{}^{50}C_2}{5} - \dots + \frac{{}^{50}C_{50}}{53} \\ & \int_0^1 ({}^{50}C_0 x^2 - {}^{50}C_1 x^3 + {}^{50}C_2 x^4 - \dots + {}^{50}C_{50} x^{52}) dx \\ & = \int_0^1 x^2 (1-x)^{50} dx \\ & = \int_0^1 (1-x)^2 x^{50} dx = \int_0^1 (1-2x+x^2)x^{50} dx \\ & = \frac{1}{51} - \frac{2}{52} + \frac{1}{53} \end{aligned}$$

ATTEMPT FREE TEST ON DOUBTNUIT 

Q-17 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

The value of

$${}^n C_0 \cdot \cos n\theta + {}^n C_1 \cdot \cos(n-2)\theta + {}^n C_2 \cdot \cos(n-4)\theta + \dots + {}^n C_n$$

is

(A)  $2^n \cos^n \theta$

(B)  $2^n \sin^n \theta$

$$(C) 2^{n+1} \cos n\theta$$

$$(D) 2^{n+1} \sin n\theta$$

---

Correct Option : A

## SOLUTION

The given series is real part of

$$\begin{aligned} \sum_{r=0}^n {}^n C_r e^{i(n-2r)\theta} &= e^{in\theta} \sum_{r=0}^n \left(e^{-i2\theta}\right)^r = e^{in\theta} \left(1 + e^{-2i\theta}\right)^n \\ &= \left(e^{i\theta} + e^{-i\theta}\right) = (2 \cos \theta)^n \end{aligned}$$

ATTEMPT FREE TEST ON DOUBTNUT 

Q-18 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

if  $t_n$  denotes the  $n^{\text{th}}$  term and  $S_n$  denotes sum to first  $n$  terms of the series  $3 + 15 + 35 + 63 + \dots$  then

$$(A) t_{50} = 50^2 - 1$$

$$(B) S_{20} = 11460$$

$$(C) t_{50} = 4.50^2 - 1$$

$$(D) S_{20} = 11640$$

---

Correct Option : B

### SOLUTION

$$t_n = an^2 + bn + c$$

ATTEMPT FREE TEST ON DOUBTNUT 

#### Q-19 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

$$\text{if } a = \sum_{r=0}^{20} {}^{20}C_r, b = \sum_{r=0}^9 {}^{20}C_r, c = \sum_{r=11}^{20} {}^{20}C_r \text{ then}$$

$$(A) a = b + c$$

$$(B) b = 2^{19} - \frac{1}{2} {}^{20}C_{10}$$

$$(C) c = 2^{19} + \frac{1}{2} {}^{20}C_{10}$$

$$(D) a - 2c = \frac{2^{10}(1.3.6 \blacklozenge .19)}{10!}$$

Correct Option : B

### SOLUTION

$$b = {}^{20}C_0 + {}^{20}C_1 + \dots + {}^{20}C_9 = {}^{20}C_9 = {}^{20}C_{20} + \dots + {}^{20}C_{11} = c$$

$$\Rightarrow a = b + c + {}^{20}C_{10} \Rightarrow a = 2b + {}^{20}C_{10}$$

$$\Rightarrow a - 2b = \frac{20!}{10!10!} = \frac{(2.4.20)(1.3.5.19)}{10!10!} = \frac{2^{10}(1.3.5.19)}{10!}$$

ATTEMPT FREE TEST ON DOUBTNUT 

Q-20 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

Consider the series

$$2016 \cdot n + 2015 \cdot (n - 1) + 2014 \cdot (n - 2) + 2013 \cdot (n - 3) + \dots$$

where  $S_n$  is the sum of first  $n$  terms of the series which of the

following is/are true

$$(A) S_n = \frac{n(n+1)(6949-n)}{6}$$

$$(B) S_n = \frac{n(n+1)(3025-n)}{3}$$

$$(C) S_{20} = 422030$$

$$(D) S_{20} = 420700$$

---

Correct Option : A

### SOLUTION

$$T_r = (2017 - r)(n - r + 1)$$

$$= 2017 \cdot (n + 1) - (2018 + n)r + r^2$$

$$\therefore S_n = \sum_{r=1}^n T_r = 2017(n + 1) \sum_{r=1}^n 1 - (2018 + n) \sum_{r=1}^n r + \sum_{r=1}^n r^2$$

$$S_n = \frac{n(n + 1)(6949 - n)}{6}$$

ATTEMPT FREE TEST ON DOUBTNUT 

Q-21 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

The natural numbers are written as a sequence of digits

1234566789101112. Then in the sequence

(A) 190<sup>th</sup> digit is 1

(B) 201<sup>st</sup> digit is 3

(C) 2014<sup>th</sup> digit is 8

(D) 2013<sup>th</sup> digit is same as 2014<sup>th</sup> digit

---

Correct Option : A

## SOLUTION

1, 1. .9  $\Rightarrow$  9

10, 11.99  $\Rightarrow$  180

190<sup>th</sup> digit 1

201<sup>st</sup> digit is 3

100, 101, 102707  $\Rightarrow 608 \times 3 = 1824 \Rightarrow 9 + 180 + 1824 = 2013$

so 2014<sup>th</sup> digit is 7. ( $\therefore$  708)

ATTEMPT FREE TEST ON DOUBTNUT 

Q-22 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

if  $N = 7^{2014}$  then

(A) sum of last four digits of N is 23

(B) number of divisors of N are 2014

(C) number of composite divisors of N are 2013

(D) if number of prime divisors of N are  $p$  then number of ways to express a non-zero vector coplanar with two given non-collinear vectors as a linear combination of the two vectors is  $p + 1$

---

Correct Option : A

### SOLUTION

$$7^{2014} = 49(1 + 2400)^{503} = 49(1207201 + 10^4 \lambda) = 59152849 + 10^4 \lambda$$

divisors are  $7^0, 7^1, 7^2, 7^{2014}$

$\Rightarrow$  No. of divisors are 2015, composite divisors 2013 and prime

divisors 1  $\Rightarrow p = 1$  also no of ways to express a non-zero vector

coplanar with two given non-collinear vectors as a linear combination

of the two vectors = 1



Q-23 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

Consider the sequence of numbers  $\alpha_0, \alpha_1, \dots, \alpha_n$  where

$$\alpha_0 = 17.23, \alpha_1 = 33.23 \text{ and } \alpha_{r+2} = \frac{\alpha_r + \alpha_{r+1}}{2} \text{ then}$$

(A)  $|\alpha_{10}| = \frac{1}{32}$

(B)  $\alpha_0 - \alpha_1, \alpha_2, \alpha_3, \blacklozenge$  are in G.P

(C)  $\alpha_0 - \alpha_2, 2(\alpha_1 - \alpha_2), \alpha_1 - \alpha_3$  are in H.P

(D)  $|\alpha_{10} - \alpha_9| = |\alpha_6 + \alpha_7|$

Correct Option : A

**SOLUTION**

$$2\alpha_{r+2} = \alpha_r + \alpha_{r+1}$$

$$\begin{aligned} \Rightarrow 2(\alpha_{r+2} - \alpha_{r+1}) &= \alpha_r - \alpha_{r+1} \Rightarrow \alpha_{r+2} - \alpha_{r+1} = -\frac{1}{2}(\alpha_{r+1} - \alpha_r) \\ \Rightarrow \alpha_{10} - \alpha_9 &= -\frac{1}{2}(\alpha_9 - \alpha_8) = \frac{1}{4}(\alpha_8 - \alpha_7) = \dots = -\frac{1}{2^9}(\alpha_1 - \alpha_0) \end{aligned}$$



As  $\alpha_0 - \alpha_1, \alpha_1 - \alpha_2, \alpha_2 - \alpha_3$  are in G.P.

$\Rightarrow \alpha_0 - \alpha_2, 2(\alpha_1 - \alpha_2), \alpha_1 - \alpha_3$  are in H.P. (adding middle term to all terms)

ATTEMPT FREE TEST ON DOUBTNUT 

Q-24 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

Give  $n$  arithmetic means are inserted between each of the two sets of numbers  $a, 2b$  and  $2a, b$  where  $a, b, \in, R$ . If  $m^{th}$  mean of the two sets of numbers is same then

(A)  $\frac{a}{b} = \frac{m}{n - m + 1}$

(B)  $\frac{a}{b} = \frac{n}{n - m + 1}$

(C)  $\frac{a}{b} < n$

(D)  $\frac{a}{b} \leq m$

---

Correct Option : A

## SOLUTION

$$A_m = a + m \left( \frac{2b - a}{n + 1} \right)$$

$$A'_m = 2a + m \left( \frac{b - 2a}{n + 1} \right)$$

$$\Rightarrow a(n + 1) + m(2b + a) = 2a(n + 1) + m(b - 2a)$$

$$\Rightarrow bm = a(n - m + 1)$$

Now if  $\frac{a}{b} < m < n^2 - mn + n$

$$\Rightarrow m - n < n(n - m) \text{ which is false for } n = m$$

$$\frac{a}{b} \leq m \Rightarrow \frac{m}{n - m + 1} \leq m \Rightarrow 0 \leq m(n - m) \text{ which is true.}$$

ATTEMPT FREE TEST ON DOUBTNUT 

Q-25 - JEE ADVANCED-PART TEST-12 (MATHS)-MATHS

if  $a, b, c$ , are any three terms of an A.P such that  $a = b$  then  $\frac{b - c}{a - b}$  may

be equal to

(A) 0

(B)  $\sqrt{3}$

(C) 1

(D) 2

---

Correct Option : C

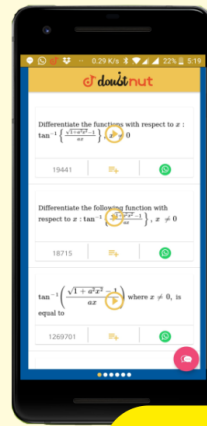
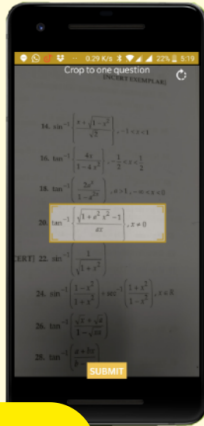
**SOLUTION**

$$\frac{b - c}{a - b} = \frac{[A + (q - 1)D] - [A + (r - 1)D]}{[A + (p - 1)D] - [A + (q - 1)D]} = \frac{q - r}{p - q} \text{ rational}$$

number

ATTEMPT FREE TEST ON DOUBTNUT 

*FREE Mein Milega Maths ke har question ka video solution :)*



**Bas Question  
ki photo khicho..**

**Turant video  
solution paayo!!**

 **doubt nut**  
पढ़ना हुआ आसान

**DOWNLOAD NOW!**