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Maths

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IBM

Keep an EYE (0) Solved Question (162)

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IBM Interview Experience (27) UnSolved Question (1480)

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9

? (#M40032930) IBM QUESTION KEEP AN EYE

guys what questions they are going to asked in TR and HR...! i have cleared the 2 written tests...!please reply me

Solution

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Regard
Team M4maths.

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Asked In **IBM**
Solved
Is this Puzzle helpful?

Yes (3)

No (1)

[sarika](#) (2 years ago) [Read Solution](#) (5)

[Submit Your Solution](#) [Suggest its Topic](#)

(#M40032913) **IBM QUESTION** KEEP AN EYE

hey guys could anyone give me a reference for ibmvery urgent pls.....or if u have any relatives or brothers and sisters who are employees of an ibm .pls give their mail id or contact no. .plz.

Solution

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🔖 (#M40032906) IBM QUESTION series... KEEP AN EYE

hey guyz today i gav IBM online test....each question of series ws from the 1 to 10 page of this site...jus practz these series questions only its btr to rembr the ans becoz u will face the same qustns....

Solution

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Asked In IBM

Solved

Is this Puzzle helpful?

Yes (2)

No (0)

[Madhuri Singh](#) (2 years ago) [Read Solution \(4\)](#)

[Submit Your Solution](#) Coordinate geometry

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Asked In IBM

Solved

Is this Puzzle helpful?

Yes (3)

No (0)

nadiya (2 years ago) ☐ Read Solution (4)

[△ Submit Your Solution](#) Area and Volume

(#M40032840) IBM QUESTION time & distance KEEP AN EYE

A man reaches his office two hours late travelling at 50 km/hr. if he increases his speed to 60 km/hr, he is late by 1 hour. find the distance he has to travel to reach his office and speed required to reach the office in time



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RAKESH (2YEARSAGO)

let distance be d km & time reqd be t hour then $d/50 = (t+2)$
 $d/60 = (t+1)$
 $\Rightarrow 50(t+2) = 60(t+1)$

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$\Rightarrow 5t+10=6t+6$
 $\Rightarrow t=4$
put $t=4$ in eqn $d/50=(t+2)\Rightarrow d=50(4+2)=300$

$d = 300 \text{ km} \& t = 4 \text{ hour}$

DIPIN (2YEARSAGO)

If x is the distance , then
 $x/50 \times 60 = 1$
 $x = 300 \text{ kms}$
Then total time allowed for reaching in time = $300/60 \times 1 = 4 \text{ hrs}$ Speed required to reach in time = $300/4 = 75 \text{ kms/hr}$

SUBRATA PATRA (2 YEARS AGO)

assume the distance is x
the according to our question $(x/50)(x/60)=1$
 $x=300\text{km}$;
time to be taken= $300/50=4 \text{ hrs}$

VINAY GUPTA (2 YEARS AGO)

There is formula to find out total distance $\Rightarrow (v * u) / (p + q) / (v - u)$ where : 'p' hours late travelling at a speed of 'u' kmph
&'q' hours early travelling at a speed of 'v' kmph

Here 'q' also late. So we take as a negative value for 'q'

So $p = 2\text{hrs}$ at speed $u = 50\text{kmph}$ & $q = 1\text{hrs}$ at speed $v = 60\text{kmph}$

So total distance = $(60 * 50) / (2 - 1) / (60 - 50) = 300\text{km}$ So actual time = $300/60 \times 1 = 4\text{hrs}$

So required speed = $300/4 = 75\text{kmph}$

POOJA VERMA (2 YEARS AGO)

let time = t ; $50*(t+2) = 60*(t+1)$; $t=4$

MOUMITAMANDAL (2YEARSAGO) distance=300 km

time=4hour

TAG LINER (2 YEARS AGO) distance is 300 km

time is 4 hrs

ARCHITA PATNAIK (1 YEAR AGO)

Dipin , thanx for your solution
the most perfect ans with less time

Is this solution Helpful? Yes (73) | No (4)

Is this solution Helpful? Yes (34) | No

Is this solution Helpful? Yes (8) | No (7)

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Is this solution Helpfull? [Yes \(2\)](#) | [No \(4\)](#)

Is this solution Helpfull? [Yes \(2\)](#) | [No](#)

Is this solution Helpfull? [Yes \(1\)](#) | [No \(2\)](#)

Is this solution Helpfull? [Yes \(1\)](#) | [No \(2\)](#)

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Is this solution Helpful? [Yes](#) | [No](#)

Asked In [IBM](#)

Solved [RAKESH](#)

Is this Puzzle helpful?

Yes (17)

No (5)

[gowtham](#) (2 years ago) ☐ [Read Solution](#) (11)

[△ Submit Your Solution](#) Time Distance and Speed

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[NIDHI](#) (8MONTHSAGO)

suppose distance of his office is x and time =t

when speed is 50km/hr then by formula speed =distance/time $50=x/(t+2)$ as he reaches 2 hr late by actual time $x=50*(t+2)$ this is equation 1 same as for 60km/hr speed

$x=60*(t+1)$ this is equation 2

by comparing 1 and 2

we get $t=4$

now put t in any equation we get $x= 300\text{km}$

now speed to reach office in time= $300/4= 75\text{km/hr}$

[DHIVYA](#) (6 MONTHS AGO)

speed * time = $> 50* 2 * 5/18 = (x+18)* 5/18 *1 500/18 = 5/18 + 300/18$
 $200/18 = 5/18$
 $5 x = 200$

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x = 40

DEEPAK M. BIRAJDAR (4 MONTHS AGO)

let distance be d km & time reqd be t hour then $d/50 = (t+2)$

$d/60 = (t+1)$

$\Rightarrow 50(t+2)=60(t+1)$

$\Rightarrow 5t+10=6t+6$

$\Rightarrow t=4$

put $t=4$ in eqn $d/50=(t+2) \Rightarrow d=50(4+2)=300$

d = 300 km & t = 4 hour

Is this solution Helpful? [Yes](#) | [No](#)

Is this solution Helpful? [Yes](#) | [No](#)

Is this solution Helpful? [Yes](#) | [No](#)



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🔖 (#M40032785) IBM QUESTION OFF TOPIC KEEP AN EYE

hey guys i just want to know the eligibility criteria for IBM offcampus which will be held in ITS Engineering College 46 Knowledge Park III Greater Noida Uttar Pradesh.? plz guys its urgent,help me!

Solution

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[nivi](#) (2 years ago) [Read Solution \(3\)](#)

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🔖 (#M40032751) IBM QUESTION question KEEP AN EYE

plz can anyone tel me is there ibm off campus in hyderabad in this month

Solution

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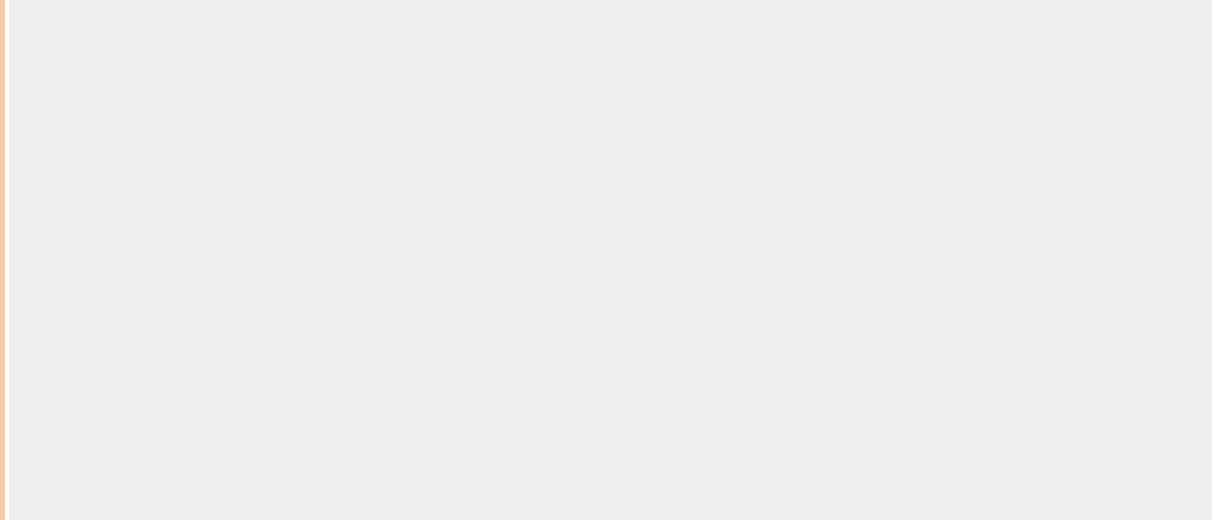
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Like manish sir answer on facebook.

Like Share You and 9.9K others like this.

Asked In IBM smita (2 years ago) Solved
Is this Puzzle helpful? Yes (4) No (1)

△ Submit Your Solution Suggest its Topic




🔖 (#M40032570) IBM QUESTION aptitude KEEP AN EYE

Q. A certain number of bullets were shared by 3 people equally. Each of them fired 4 bullets and the sum of the remaining bullets was equal to the initial share each had got. What was the initial number of bullets?

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Asked In [IBM](#)
[Solved](#) [Ravi Ranjan Raj](#)
Is this Puzzle helpful? [Yes \(16\)](#)

[No \(3\)](#)

[Sakshi Shukla](#) (2 years ago) [Read Solution \(6\)](#)

[Submit Your Solution](#) Probability


[RAVI RANJAN RAJ](#) (2 YEARS AGO)

lets each one got x bullets .
so total no of bullets= 3x.
a/c to question each person used 4 bullets each one has remains with x4 bullets. so $(x/4)3=x$.
 $x=6$.
so total no of bullets = $3x = 3*6 = 18$.

[ARTISONI](#) (2YEARSAGO)

total bullets=x share of each $x/3$ remaining bullets $3*(x/3)=x$ $x=18$ ans.

Is this solution Helpful? [Yes \(56\)](#) | [No \(1\)](#)



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NEELU PRASAD (2 YEARS AGO)

Is this solution Helpful? [Yes \(10\)](#) | [No \(1\)](#)

Is this Puzzle helpful? [Yes \(4\)](#) [No \(3\)](#)

[△ Submit Your Solution](#) Interview

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MANJULA R (2 YEARS AGO)

if x,y&z are the 3 people, A is the the no of bullets shared eualy. $X=Y=Z=A$.
tn each of them fired 4 bullets,and remaining bullets with them is $(X4),(Y4),(z4)$

tn this above sum is equal to initial share mean "A" value. tn we can write
 $(A4)+(A4)+(A4)=A$ (bcz: starting $X=Y=Z=A$)
 $2A=12$

A=6 ans:6

manjula r, bangalore

VERSHACHAUDHARY (2YEARSAGO)

18 is the correct ans.... let each share is x, then... $(4.3) + x = 3.x$
 $x=6$,
total initial bullets $3.6=18$

B.TEJA (1 YEAR AGO)

no of people=3 $(x4)3=x$
 $x=6$ $3x=3*6=18$

Is this solution Helpful? [Yes \(1\)](#) | [No \(6\)](#)

Is this solution Helpful? [Yes \(1\)](#) | [No \(1\)](#)

Is this solution Helpful? [Yes](#) | [No](#)

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🔖 (#M40032549) IBM QUESTION IBM QUESTION KEEP AN EYE

A man is 24 years older than his son. In two years, his age will be twice the age of his son. What is the present age of his son?
A. 23 years
B. 22 years
C. 21 years

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D. 20 years

Asked In IBM
Solved [RAKESH KUMAR SINGH](#)
Is this Puzzle helpful? Yes (5) No (3)

[anindita panda](#) (2 years ago) [Read Solution \(26\)](#)

[Submit Your Solution](#) Age Problem

[RAKESH KUMAR SINGH](#) (2 YEARS AGO)

$5+1+2=8$ $8+1+0=9$ $9+2+3=14$ $14+1+3=18$ ans

[DIPAK KAKADIYA](#) (1 YEAR AGO)

son age= x ;
men age= $24+x$;
after 2 year $\Rightarrow 24+x+2=2(x+2) \Rightarrow x+26=2x+4 \Rightarrow 22$

Is this solution Helpful? [Yes \(27\)](#) | [No \(4\)](#)

Is this solution Helpful? [Yes \(10\)](#) | [No](#)

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18
let "x" was d initial no. of bullets
each got $x/3$
each fired 4,so total fired bullets= $4*3=12$ $x12=x/3$
 $x=18$

Is this solution Helpful? [Yes \(5\)](#) | [No \(1\)](#)

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AREPALLI PUSHPA (2 YEARS AGO) 18

$5+1+2=8$ $8+1+0=9$ $9+2+3=14$ $14+1+3=18$

so answer is 18

SRIS (2YEARSAGO)
the series is sum of three numbers before to it $5+1+2=8$, $8+1+0=9$, $9+2+3=14$, $14+1+3=18$

Is this solution Helpful? [Yes \(6\)](#) | [No \(2\)](#)

Is this solution Helpful? [Yes \(2\)](#) | [No \(1\)](#)

Is this solution Helpful? [Yes \(2\)](#) | [No](#)

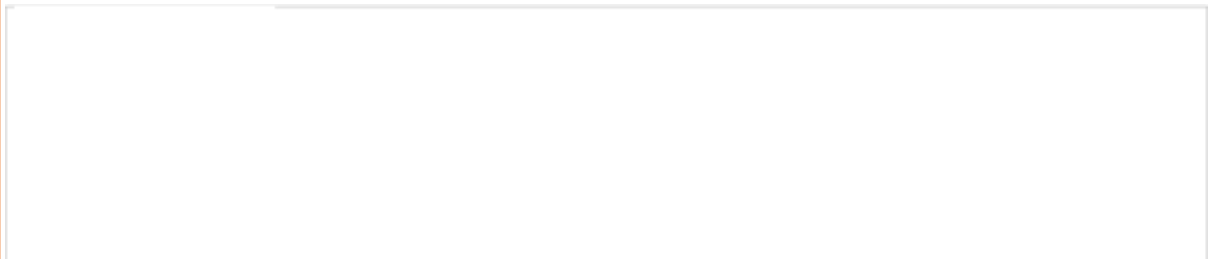
Is this solution Helpful? [Yes \(2\)](#) | [No \(1\)](#)

Is this solution Helpful? [Yes \(2\)](#) | [No](#)

Is this solution Helpful? [Yes \(2\)](#) | [No](#)

Is this solution Helpful? [Yes \(2\)](#) | [No](#)

Is this solution Helpful? [Yes \(1\)](#) | [No \(1\)](#)



SIDDHESH

NITIN ITARE (1 YEAR AGO)

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ans is 22.
let the age of son is x. $2(x+2) = x+26$
 $x=22$

NIHARIKA VARDHAN (1 YEAR AGO) B.22 years

(1 YEAR AGO)

22 |
|
|

||



ARCHIT

(1 YEAR AGO)

$xy=24$
 $x2y=2$
age of son y age of father x $y=22$

VIMOXSHAH (4MONTHSAGO)

present F: $x+24$ S:

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$x + 2x + 4 = x + 26$ $x = 22$

SAJID (2YEARSAGO)

$5 + 1 + 2 = 8$ $8 + 1 + 0 = 9$ $9 + 2 + 3 = 14$ $14 + 1 + 3 = 18$

RAMYABATTHULA (2 YEARS AGO)

$5 + 1 + 2 = 8$ $8 + 1 + 0 = 9$ $9 + 2 + 3 = 14$ $14 + 1 + 3 = 18$ so answer is 18

BHARATHI (2YEARSAGO)

Is this solution Helpful? [Yes \(1\)](#) | [No \(2\)](#)

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NEELU PRASAD (2 YEARS AGO)

18 $5 + 1 + 2 = 8$ $8 + 1 + 0 = 9$ $9 + 2 + 3 = 14$ $14 + 1 + 3 = 18$ ans is 18

GIRI (2YEARSAGO)

$5 + 1 + 2 = 8$ $8 + 1 + 0 = 9$ $9 + 2 + 3 = 14$ $14 + 1 + 3 = 18$

MANISH KUMAR (4 MONTHS AGO)

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Let the present age of Son be X man age will be = $24+x$
after two years son age = $X+2$ man age = $24+X+2=26+X$ A/Q

$$X+26=2(X+2) \quad X+26=2X+4 \quad 26-4=X \\ X=22 \text{ Years}$$

SOWMYA (4 MONTHS AGO)

ans:20
man= $24+x$
son= x
in 2 years, $(24+x)=2(x+2)$ $24-4=x$

$$20=x$$

MAHIMATIWARI (2YEARSAGO)

$(5,1,2), (8,1,0), (9,2,3), (14,1,3)$ $2+6=8$
 $0+9=9$
 $3+11=14$

$$3+12=15(\text{ans})$$

SUDHIR SHARMA (2 YEARS AGO)

$5+1+2=8$
then $8+1+0=9$ then $9+2+3=14$

similiarly $14+1+3=18$ 18 will be the next term

MANTRIPRAGADANIKHIL (2YEARSAGO)
18.....series goes dis way $5, 1, 2, 8(5+2+1), 1, 0, 9(8+1+0), 2, 3, 14(9+2+3)$

UTHRA MURUGESAN (1 YEAR AGO) <http://www.careerbless.com/aptitude/qa/ages1.php>

Is this solution Helpful? [Yes \(1\)](#) | [No \(1\)](#)

Is this solution Helpful? [Yes \(1\)](#) | [No \(1\)](#)

Is this solution Helpful? [Yes \(1\)](#) | [No](#)

Is this solution Helpful? [Yes \(1\)](#) | [No \(1\)](#)

Is this solution Helpful? [Yes](#) | [No \(4\)](#)

Is this solution Helpful? [Yes](#) | [No](#)

Is this solution Helpful? [Yes](#) | [No](#)

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SIVAPRATHYUSHAPATNAIKUNI (1YEARAGO)

Is this solution Helpful? [Yes](#) | [No](#)

$$(5+1+2)=8 \quad (8+1+0)=9 \quad (9+2+3)=14 \quad (14+1+3)=18$$

Is this solution Helpful? [Yes \(1\)](#) | [No \(1\)](#)

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SHUBHAM TAGALPALLEWAR (1 YEAR AGO)

let present age of man=m and son=s, now 1st condition,
 $m = s+24$(1)
after two yrs

$$m+2 = 2(s+2)$$

from (1)... $(s+24)+2 = 2s+4$ $s=22$ yrs..

NAVYA GEETHA (4 MONTHS AGO)

man=son+24 man+2=2(son+2)
by solving above two equations son's age=22

VELURUSATHYAVATHI (4MONTHSAGO)

Let the son's present age be x years. Then, man's present age = (x + 24) years.

$$(x + 24) + 2 = 2(x + 2) \quad x + 26 = 2x + 4$$
$$x = 22$$

SHIV KUMAR (4 MONTHS AGO)

$$\text{let son's age } x \quad 2(x+2) = x+26 \quad x = 22$$

ARVIND KUMAR YADAV (3 MONTHS AGO)

let the age of the father is x and age of son is y now according to question
 $xy=24$ (1)
and $(x+2)=2(y+2)$

$x^2y=2(2)$
after solving these two equation we find
 $x=46$
and $y=22$
so 22 is the right ans which is the age of the son

Is this solution Helpful? [Yes](#) | [No](#)

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Is this solution Helpfull? [Yes](#) | [No](#)

Is this solution Helpfull? [Yes](#) | [No](#)

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sol: 22 .
 $s=x, m=x+24$. $2(x+2)=x+24+2$ after 2 yrs.

Is this solution Helpful? [Yes](#) | [No](#)

 (#M40032411) IBM QUESTION Number Series KEEP AN EYE

Q. What is the next number of the following sequences 1)0.8,1.8,3.6,3.6,4.6,9.2,9.2,10.2,?

2)11,8,17,14,23,24,31,32,?
3) $(15*4+3)/4, 16, 26, (9*5+1)/5, 9, 19, (64*3+2)/3, 65, 75, (30*8+3)/8, ?$ (it's like mixed fraction friends where i have mentioned *)
4)3,2,1,4,5,4,5,1,0,6,3,?
5)7.2,2.2,,3.2,16,11,12,60,55,56,?
6)3,5,2,100,4,7,3,196,1,6,5,?
7)2,9,5,49,11,169,?



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RAKESH (2YEARSAGO)

1)0.8,1.8,3.6,3.6,4.6,9.2,9.2,10.2,? (0.8,1.8,3.6),(3.6,4.6,9.2),(9.2,10.2,X) $0.8+1=1.8$, $1.8*2=3.6$
 $3.6+1=4.6$, $4.6*2=9.2$

$9.2+1=10.2$, $10.2*2=X \Rightarrow x=20.4$

2)11,8,17,14,23,24,31,32,X
count prime no.s from 11 11,13,17,19,23,29,31,37,41,43 11,8,17,14,23,24,31,32,X,Y
series is of formed(alternate prime n0.5) so X=41, Y=435=38

3) $(15*4+3)/4, 16, 26, (9*5+1)/5, 9, 19, (64*3+2)/3, 65, 75, (30*8+3)/8, X, Y$ (15+ 3/4 ,16,26),(9+ 1/5 ,9,19),(64 +2/3 ,65,75),(80 +3/8 , x,y)
in every group,
2nd term= approximation of 1st no.

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3rd term= 2nd no.+10

SO $X \approx (80 + 3/8) = 80$ $Y = X + 10 = 80 + 10 = 90$

4) 3, 2, 1, 4, 5, 4, 5, 1, 0, 6, 3, ? (3, 2, 1), (4, 5, 4), (5, 1, 0), (6, 3, X)
in every group 1st term is increasing by +1 & (3rd term - 2nd term = 1)
so $3X = 1 \Rightarrow x = 2$

5) 7, 2, 2, 2, 3, 2, 16, 11, 12, 60, 55, 56, ? (7, 2, 2, 2, 3, 2), (16, 11, 12), (60, 55, 56), x
 $7.2.2.2 = 5, 2.2+1 = 3, 2.3.2*5 = 16$
 $16.11 = 5, 11+1 = 12, 12*5 = 60$
 $55 = 5, 55+1 = 56, 56*5 = 280 \Rightarrow x = 280$

6) 3, 5, 2, 100, 4, 7, 3, 196, 1, 6, 5, ? (3, 5, 2, 100), (4, 7, 3, 196), (1, 6, 5, x)
 $100 = (3+5+2)^2$
 $196 = (4+7+3)^2$

$x = (1+6+5)^2 \Rightarrow 144$

7) 2, 9, 5, 49, 11, 169, x
prime no.s 2, 3, 5, 7, 11, 13, 17
 $2, 3^2, 5, 7^2, 11, 13^2, x \Rightarrow x = 17$

8) 2, 6, 5, 14, 11, 26, 17, ?
prime no.s 2, 3, 5, 7, 11, 13, 17, 19
 $2, 3*2, 5, 7*2, 11, 13*2, 17, x \Rightarrow x = 19*2 = 38$

9) 22, 19.5, 21.45, 33, 26, 15, 1, x, y (22, 33, 1), (19.5, 26, x), (21.45, 15, y) its not clear

10) $1/4, 1/4, 1/2, 3/2, 6, ?$
 $1/4, (1/4*1), (1/4*2), (1/2*3), (3/2*4), (6*5=x) \Rightarrow x = 30$

11) 9, 4, 16, 6, 36, 21, 441 (9, 4), (16, 6), (36, 21), (441, X)



8) 2, 6, 5, 14, 11, 26, 17, ? 9) 22, 19.5, 21.45, 33, 26, 15, 1, ? 10) $1/4, 1/4, 1/2, 3/2, 6, ?$ 11) 9, 12, 4, 8, 12, 15, 5, 9, 3, 6, 2, 6, 6, 9, ?
12) 9, 4, 16, 6, 36, 21, 441, ?

Asked In **IBM**
Solved **RAKESH**
Is this Puzzle helpful?

Yes (28)

No (3)

[Thushara Damera](#) (2 years ago) [Read Solution \(17\)](#)

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RAKESH (2YEARSAGO) correction for 3rd qn

3) $(15*4+3)/4, 16, 26, (9*5+1)/5, 9, 19, (64*3+2)/3, 65, 75, (30*8+3)/8, X, Y$ ($15 + 3/4, 16, 26$), ($9 + 1/5, 9, 19$), ($64 + 2/3, 65, 75$), ($30 + 3/8, x, y$)
in every group,
2nd term= approximation of 1st no.

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3rd term= 2nd no.+10

SO $X = \text{approx}(30 + 3/8) = 30$ $Y = X + 10 = 30 + 10 = 40$

SAKSHI MISRA (2 YEARS AGO)

1. 0.8
 $0.8 + 1 = 1.8$ $1.8 * 2 = 3.6$ $3.6 + 1 = 4.6$ $4.6 * 2 = 9.2$ $9.2 + 1 = 10.2$ $10.2 * 2 = 20.4$

MEDURI DEEPIKA (2 YEARS AGO)

12,9,4,16,6,36,21,441,? $94 = 5$
 $166 = 10$
 $3621 = 15$

similarly $441421 = 20$ ans 421

PREETI YADAV (2 YEARS AGO)

6) $3+5+2=10$, $10^2=100$ $4+7+3=14$, $14^2=196$ $1+6+5=12$, $12^2=144$ ans 144

THUSHARA DAMERA (2 YEARS AGO) If 45.65

Is this solution Helpful? [Yes \(12\)](#) | [No \(1\)](#)

Is this solution Helpful? [Yes \(5\)](#) | [No](#)

Is this solution Helpful? [Yes \(4\)](#) | [No](#)

Is this solution Helpful? [Yes \(3\)](#) | [No](#)



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(22, 19.5, 21.45), (33, 30.5, 33.55),(44, 41.5 , x)

$9=4+5*1$
 $16=6+5*2$
 $36=21+5*3$
 $441=x+5*4 \Rightarrow x=44120=421$

12)9,12,4,8,12,15,5,9,3,6,2,6,6,9,X,Y

(9,12,4,8)(12,15,5,9)(3,6,2,6)(6,9,X,Y) $9+3=12$, $12/3=4$, $4+4=8$ $12+3=15$, $15/3=5$, $5+4=9$ $3+3=6$, $6/3=2$, $2+4=7$

so $6+3=9$, $9/3=X$, $X+4=Y \Rightarrow X=3$, $Y=7$

Is this solution Helpful? [Yes \(38\)](#) | [No \(1\)](#)

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THUSHARA DAMERA (2 YEARS AGO)

correction in 9th series 22,19.5,21.45,33, 30.5, 33.55,44, 41.5 ,? and the solution is divide it into 3 sets

(22, 19.5, 21.45), (33, 30.5, 33.55),(44, 41.5 , x)

first terms of brackets $\Rightarrow 22, 33, 44$

second terms of brackets $\Rightarrow 19.5, 19.5 + 11, (30.5 + 11*2)$ third terms of brackets $\Rightarrow 21.45, (21.45 + 12.1), (33.55 + 12.1)$

$\Rightarrow x = 33.55 + 12.1 = 45.65(\text{ans})$

THUSHARA DAMERA (2 YEARS AGO)

2)11,8,17,14,23,24,31,32,? $113=8$

$8+9=17$
 $173=14$

$14+9=23$

and

$23+1=24$ $24+7=31$ $31+1=32$ $32+7=41(\text{ans})$

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JYOTHSNAANNAGI (2YEARSAGO) Dear RAKESH

kindly give clarity on the 11 question pls...

PREETI YADAV (2 YEARS AGO)
7) series is of prime numbers

2,(3^2),5,(7^2),11,(13^2),17,(19^2)

AMITREDHU (2YEARSAGO)

1)20.4 2)39 3)30 4) 5)280 6)144 7)17 8)54 9) 10)30 11)3 12)421

CHARAN (2YEARSAGO) 2) 41

8) 38

Description:

2) alternative prime series and missing alternate terms... 11,(13),17,(19),23,(29),31,(37),41

Note: 39 is not a prime number(3*13=39).

So answer is 41.

8)This is also related to prime number series.

But in this the alternate prime number is replaced by (prime number * 2) 2,(3*2=6),5,(7*2=14),11,(13*2=26),17,(19*2=38)

Is this solution Helpful? [Yes \(3\)](#) | [No](#)

Is this solution Helpful? [Yes \(2\)](#) | [No \(4\)](#)

Is this solution Helpful? [Yes \(2\)](#) | [No \(3\)](#)

Is this solution Helpful? [Yes \(1\)](#) | [No](#)

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Is this solution Helpful? [Yes \(1\)](#) | [No](#)

first terms of brackets => 22 , 33 , 44
second terms of brackets => 19.5 , 19.5 + 11 , (19.5 + 11*2)
third terms of brackets => 21.45 , (21.45 + 12.1) , (21.45 + 2*12.1)

=> $x = 21.45 + 2 * 12.1 = 45.65$

Is this solution Helpful? [Yes \(3\)](#) | [No](#)

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THUSHARA DAMERA (2 YEARS AGO)

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3)divide it into 4 sets {9,12,4,8}{12,15,5,9,),(3,6,2,6),(6,9,?) see $9+3=12$
 $12/3=4$
 $4+4=8$
 $12+3=15$
 $15/3=5$
 $5+4=9$
 $6+3=9$
 $9/3=3(\text{ans})$

SAVITHAKRISHNAN (2YEARSAGO)

ans 30 mixed fraction $15 \frac{3}{4} = 63/4 = 15.75 \sim 16$ $9 \frac{1}{5} = 46/5 = 9.2 \sim 9$
 $64 \frac{2}{3} = 194/3 = 64.6 \sim 65$
 $30 \frac{3}{8} = 243/8 = 30.3 \sim 30$

for next series 10 should be added

SMITA (2 YEARS AGO)

5) $7.2, 2.2, 3.2, 16, 11, 12, 60, 55, 56$ $3.2 * 5 = 16$
 $12 * 5 = 60$
 $56 * 5 = 280$ ans

THUSHARA DAMERA (2 YEARS AGO) sorry that is 11 question

BONILAKSHMI (2YEARSAGO)

12) $9, 4, 16, 6, 36, 21, 441, ?$ $(9, 4), (16, 6), (36, 21), (441, ?)$ $94 = 5 * 1$
 $166 = 5 * 2$

$3621 = 5 * 3$ $441? = 5 * 4$ $44120 = 421$ ans=421

Is this solution Helpful? [Yes \(1\)](#) | [No](#)

Is this solution Helpful? [Yes](#) | [No](#)

Is this solution Helpful? [Yes](#) | [No](#)

Is this solution Helpful? [Yes](#) | [No](#)

Is this solution Helpful? [Yes](#) | [No](#)

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So answer is 38... Do u agree guys???

Is this solution Helpful? [Yes \(1\)](#) | [No](#)

🔖 (#M40032146) IBM QUESTION KEEP AN EYE

Q. What is the next number of the following sequences 1. 100,98,95,90,83

2. 1,1,3,1,5,3,4,10,4,2

3. 7,9,11,6,11,8,5,13,5,4,15

4. 2,7,36,4,14,225,6,21

5. 2/3,5/3,19/6,31/6,23/3,32/3,84/6 6. 12,22,35,68,15,28,31

7. 36,56,96,156

8. 3,8,12,48,29

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ABDUL KALAM (3 YEARS AGO) 5) ans

$2/3+1=5/3$, $19/6+2=31/6$, $23/3+3=32/3$, $84/6+4=108/6$ ans 6) $12*22=22$, $35*22=68$ $31*22=60$ ans

MOHAN LAL GARG (3 YEARS AGO)

1) difference in term is 10098=2
 $9895=3$
 $9590=5$

$9083=7$
2,3,5,7 all are prime number next prime number is 11 so next term= $8311=72$ ans

2)
3) break in 3 series 1.7,6,5,4(difference 1 in all term) 2.9,11,13,15(diff +2) 3.11,8,5,??(diff 3)
so next term =53=2 ans

4) break in 3 part 1.2,4,6,8...(+2) 2.7,14,21....(+7) 3.36,225,??
next term is $(15+9)^2=576$

7) difference is
 $5636=20$
 $9656=40$
 $15696=60$
so difference increase by 20 so difference in next term is 80 $156+80=236$ ans

10) every person shake hand with 9 person
so total = $9*10/2=45$
(divide by 2 bcz in 1 hand shake 2 person participate) ans 45

SINDU CHITTIBOTHULA (3 YEARS AGO)

9) I guess the correct series is 48,24,35,7,16,8,75,15,80
Alternately divide the digits with 2 and 5 $48/2=24$

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$35/5=7$
 $16/2=8$
 $75/5=15$
 $80/2=40 \Rightarrow \text{Ans}=40$

KUNAL KANTI DAS (2 YEARS AGO)

8) $(1^2)+2=3, (2^2)*2=8, (3^2)+3=12, (4^2)*3=48, (5^2)+4=29, (6^2)*4=144$ (ans)

Is this solution Helpful? Yes (18) | No (1)



Is this solution Helpful? Yes (17) | No (2)

Is this solution Helpful? Yes (16) | No

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MAYANK GUPTA (3 YEARS AGO)

Is this solution Helpful? [Yes \(11\)](#) | [No](#)

9. 48,24,35,7,16,8,7,15,80

10. if there are 10 members in a party how many shake hands were possible altogether?

Asked In IBM

Solved [mohan lal garg](#)

Is this Puzzle helpful? [Yes \(24\)](#)

[No \(8\)](#)

[g.soujanya](#) (3 years ago) [Read Solution \(33\)](#)

[Submit Your Solution](#) Sequence and Series

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[SINDU](#) (3YEARSAGO) 6.(121)*2=22,(351)*2=68,(151)*2=28,(311)*2=60

ans=60

[MOHAN LAL GARG](#) (3 YEARS AGO)

6)diff b/w 12 and 15=+3

22 and 28=+6(dauble of +3)

35and 31=4

so diff b/w 68 and next term =8(dauble of +4)

text term=688=60 ans

[TG](#) (3YEARSAGO)

2, 8 n 9??????? :(

[AKHILESH KUMAR](#) (3 YEARS AGO)

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3. 7,9,11,6,11,8,5,13,5,4,15 3rd 6th 9th 12th
11 8 5 2
distance 3

SAHITHI JELDA (2 YEARS AGO)

9)i think the ans is 40
take 2 pairs after 2 pairs(48,24)(16,8) (80,?) here $48/2=24$ $16/2=8$ then $80/2=40$.

VIKASKUMARRAI (2YEARSAGO)

Is this solution Helpful? [Yes \(7\)](#) | [No](#)

Is this solution Helpful? [Yes \(6\)](#) | [No \(3\)](#)

Is this solution Helpful? [Yes \(5\)](#) | [No \(1\)](#)

Is this solution Helpful? [Yes \(4\)](#) | [No \(1\)](#)

Is this solution Helpful? [Yes \(4\)](#) | [No](#)



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1) $1002=98, 983=95, 955=90, 907=83, 8311=72$ (from each number commencing next higher prime number is added). 3) $\{(7,9,6)(1,-2,3)=(6,11,8)\}, \{(6,11,8)(1,2,3)=(5,13,5)\}, \{(5,13,5)(1,2,3)=(4,15,2)\}$. subtract 1 from 1st number, add 2 to second number and subtract 3 from 3rd number from each triplet respectively. hence the answer is 2.

4) $2*2=4, 7*2=14$, (square root of $36+9$)²=225, $2*3=6, 7*3=21$, (square root of $36+9*2$)²=576. hence answer is 576. 5) $5/32/3=1, 31/6-19/6=2, 32/323/3=3, 108/684/6=4$. hence answer is 108/6.

6) divide into pairs first. now $121=11*2=22, 351=34*2=68, 151=14*2=28, 311=30*2=60$. hence the answer is 60. 7) $5636=20, 9656=40, 156-96=60, 236156=80$. hence the answer is 236.

8)

9) $48/2=24, 35/5=7, 16/2=8, 75/5=15, 80/2=40$. instead of 7 there will be 75. alternately divide by 2 and 5. hence the answer is 40. 10) $10C2=45$.

SWATI (2YEARSAGO)

5.108/6

break series into two $(2/3, 5/3)(19/6, 31/6)(23/3, 32/3), (84/6, 114/6) +1 +2 +3 +4$

ASHISHKHUNTWAL (3YEARSAGO)

Is this solution Helpful? [Yes \(3\)](#) | [No](#)

Is this solution Helpful? [Yes \(3\)](#) | [No](#)

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2) in series just go through second 1 then skip two integer and continue the sequence.... u will see 1 __ 5 __ 10 __ 15. So 15 is the ans
Is this solution Helpful? [Yes \(2\)](#) | [No \(10\)](#)

AKHILESH KUMAR (3 YEARS AGO)

1. 100,98,95,90,83 10098=2 9895=3



10> formula is $n(n-1)/2$ so ans is $10*(10-1)/2 = 45$

Is this solution Helpful? [Yes \(8\)](#) | [No \(1\)](#)

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BARSAMOHANTY (3 YEARS AGO)

2) $1*1+2=3$ $1*52=3$ $3*42=10$ $4*2+2=10$ ans is 10

it repeats 2 digit as same value

DEEPSHIKHA GUPTA (3 YEARS AGO)
can any one explain me 2nd one

ASHISHKHUNTWAL (3 YEARS AGO)

8) $3*4=12$ $8*6=48$ $29*8=232$ Ans is 232

MADHURI SINGH (3 YEARS AGO)

10) 45 10C2 10!/8!*2!

RAMAN OJHA (3 YEARS AGO)

5)
 $4/6, 10/6, 19/6, 31/6, 46/6, 64/6, 84/6, 108/6$ difference on numerator is 3 from 6,9,12..... $108/6 = 54/6$ ans

LESLIE KNOPE (2 YEARS AGO)

Is this solution Helpful? [Yes \(2\)](#) | [No \(6\)](#)

Is this solution Helpful? [Yes \(1\)](#) | [No \(1\)](#)

Is this solution Helpful? [Yes \(1\)](#) | [No \(13\)](#)

Is this solution Helpful? [Yes \(1\)](#) | [No](#)

Is this solution Helpful? [Yes \(1\)](#) | [No](#)

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I have a question about number 4. I have read that two solutions indicate 576 as the next number. I understand the reasoning behind it. But for example, why couldn't it be $36=(2^2)*(3^2)$ and $225=(3^2)*(5^2)$ and so the next one would be $(5^2)*(7^2)=1225$? Is it just because the other two subseries go without primes but with $*2, *3...$ and so on?

SUDIPTA DUTTA (2 YEARS AGO)

3. (7,9,11),(6,11,8),(5,13,5),(4,15,X)

1st term of every sequence: (76=1),(65=1),(54=1) 2nd term: (9+2=11),(11+2=13),(13+2=15)

3rd term: (113=8),(83=5),(53=x)

therefore, $x=2$.

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Is this solution Helpful? [Yes \(1\)](#) | [No](#)

BONILAKSHMI (2YEARSAGO)

Is this solution Helpful? [Yes \(1\)](#) | [No](#)

9590=5
9083=7
83X=11
put the value of X is 72 8372=11

so ans is 72
all number prime no . 2,3,5,7,11,..

7. 36,56,96,156 $4*9=36$ $4*14=56$ $4*24=96$ $4*39=156$ $4*X=236$

the distane of 149=5,2414=10,3924=15,X39=20 so put the value of X is 59
 $4*59=236$

Is this solution Helpful? [Yes \(2\)](#) | [No](#)

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PATEL MILAN A (3 YEARS AGO)

1>10098 =2 9895=3 9590=5 9083=7

all diff primes so next will be 72 so that 8372=11

ANUHYA (3 YEARS AGO)

$6)12*2=242(22)$ $35*2=702(68)$ $15*2=302(28)$ $31*2=622(60)$

KULKARNI (3YEARSAGO) ans for 2,9?

ANUSHA (3 YEARS AGO)
can any one explain me 2nd and 9th one

SOWMYA (3 YEARS AGO)

$6)(12*2)^2=22$ $(35*2)^2=68$ $(15*2)^2=28$ $(31*2)^2=60$ ans is 60

SUMANMAITI (3YEARSAGO)

6.. $(12+22+35)=68$ $(15+28+31)=74$.. so ans is 74..

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BARSAMOHANTY (3YEARSAGO)

8)there is a sequence of 4,16,64,256.... $3 \times 31 = 8$
 $3 \times 4 = 12$
 $3 \times 16 = 48$

$3 \times 101 = 29$
so next two nos are $3 \times 64 = 192$ $3 \times 256 = 768$
then $3 + 7 = 10$ $10 + 7 = 17$
so the next no is $3 \times 171 = 50$
so ans is 192

Is this solution Helpful? [Yes](#) | [No](#) (1)

Is this solution Helpful? [Yes](#) | [No](#) (2)

Is this solution Helpful? [Yes](#) | [No](#) (1)

Is this solution Helpful? [Yes](#) | [No](#) (1)

Is this solution Helpful? [Yes](#) | [No](#)

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SHAIK FERAZ (2 YEARS AGO)

As raman ojha said the last but one should be 85/6. i think typing wrong or question was asked to findout the odd man out.

KUNAPAREDDYRAMADEVI (1YEARAGO)

$1*1+3=4/2=2$ $1*5+3=8/2=4$ $10*4+2=42/2=21$

Is this solution Helpful? [Yes](#) | [No](#)

Is this solution Helpful? [Yes](#) | [No](#) (3)

AKSHATHA (1MONTHAGO)

Is this solution Helpful? [Yes](#) | [No](#)

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10)10c2 10!(102)!*2!=45

Is this solution Helpful? [Yes \(1\)](#) | [No](#)

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ABHINAVACHAKRABORTY (1MONTHAGO)

i think number 2 series is wrong the real series should be like this 1, 1, 3, 2, 1, 5, 3, 4, 10, 4, 2, ?

Ans:The next number is 10.

Let take the given numbers in 3*3 matrix form.

113 215 3 4 10 42x

=> 1st number + 2nd number + 1st number = 3rd number. 1+1=2
2+1=3

1+1=3 3+2=5

3+4=7 7 + 3 = 10

Similarly 4+2=6 6 + 4 = 10.


Therefore, the series is 1, 1, 3, 2, 1, 5, 3, 4, 10, 4, 2, 10.

[Keep an EYE \(0\)](#) [Solved Question \(162\)](#)

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jeevan vamshi — #include <iostream>using namespace std;int main(){

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```
int N; cin>>N; int F, B, BD, FD, T; for (int i = 0; i < N; ++i) { ...
```

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Vinit Ranjan Singh — answer is 38



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2. (1,1,3),(1,5,3),(4,10,4),(2,x,y) X=15

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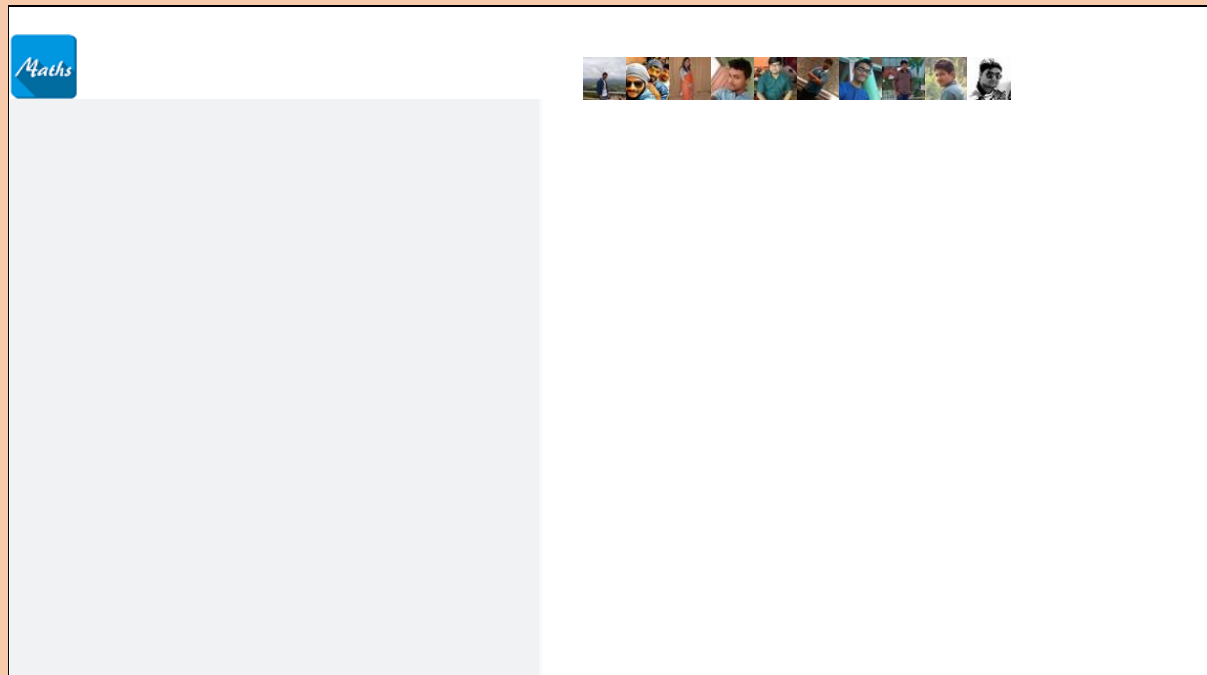
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