M4aths

👤 GOUTAM ☰

Placement Questions / IBM

IBM Placement Papers with Solution : Solved Question Page 8

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Keep an EYE (0)   **IBM Interview Experience (27)**

Solved Question (162)   **UnSolved Question (1480)**

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🧩 (#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

Dear Users,

Kindly don't get confused between our "Discussion Board" and "Placement Puzzles" section.

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Regard
Team M4maths.

Like manish sir answer on facebook.

Asked In IBM   👤 *sarika (2 years ago)*

Solved   💬 *Read Solution (5)*

Is this Puzzle helpful?   Yes   *(3)*   No   *(1)*

📝 *Submit Your Solution*

Suggest its Topic ▼

🧩 (#M40032913) IBM QUESTION

KEEP AN EYE 👁️

hey guys could anyone give me a reference for ibm ....very 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

Dear Users,

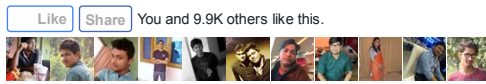*Kindly don't get confused between our "Discussion Board" and "Placement Puzzles" section.*

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Regard
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Read more: http://www.m4maths.com/placement-puzzles.php#ixzz2tZ0c9bng
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Asked In   IBM   👤 *nadiya (2 years ago)*

Solved   💬 *Read Solution (4)*

Is this Puzzle helpful?   Yes (3)   No (0)

                                                                ✏ *Submit Your Solution*
                                                                Area and Volume

🧩 **(#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 qustions only its btr to rembr the ans becoz u will face the same qustns....

Solution

Dear Users,

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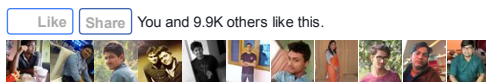
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Asked In   IBM   👤 *Madhuri Singh (2 years ago)*

Solved   💬 *Read Solution (4)*

Is this Puzzle helpful?   Yes (2)   No (0)

                                                            ✏ *Submit Your Solution*
                                                            Co-ordinate geometry

🧩 **(#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 60km/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

---

RAKESH **(2 YEARS AGO)**

let distance be d km & time reqd be t hour then
d/50 = (t+2)
d/60 = (t+1)
=> 50(t+2)=60(t+1)
=> 5t+10=6t+6
=> t=4
put t=4 in eqn d/50=(t+2)=> d=50(4+2)=300

d = 300 km & t = 4 hour

DIPIN **(2 YEARS AGO)**

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

SUBRATA PATRA **(2 YEARS AGO)**

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

VINAY GUPTA **(2 YEARS AGO)**

There is formula to find out total distance => (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 = 2hrs at speed u = 50kmph
& q = -1hrs at speed v = 60kmph

So total distance = (60 * 50)(2 - 1)/(60 - 50) = 300km
So actual time = 300/60-1 =4hrs

So required speed = 300/4 = 75kmph

POOJA VERMA **(2 YEARS AGO)**

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

MOUMITA MANDAL **(2 YEARS AGO)**

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

NIDHI (8 MONTHS AGO)

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= 300km
now speed to reach office in time= 300/4= 75km/hr

Is this solution Helpfull? **Yes** | **No**

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
x = 40

Is this solution Helpfull? **Yes** | **No**

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)
=> 50(t+2)=60(t+1)
=> 5t+10=6t+6
=> t=4
put t=4 in eqn d/50=(t+2)=> d=50(4+2)=300

d = 300 km & t = 4 hour

Is this solution Helpfull? **Yes** | **No**

🧩 (#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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| Like | Share | You and 9.9K others like this.

Asked In *IBM*

👤 *nivi (2 years ago)*

Solved

💬 *Read Solution (3)*

Is this Puzzle helpful?   Yes (4)   No (3)

Submit Your Solution
Interview

(#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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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?

Asked In IBM   Sakshi Shukla *(2 years ago)*

Solved Ravi Ranjan Raj   Read Solution (6)

Is this Puzzle helpful?   Yes (16)   No (3)

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 x-4 bullets.
so (x-4)3=x.
x=6.
*so total no of bullets =3x =3*6 =18.*

Is this solution Helpfull? **Yes (56)** | **No (1)**

ARTI SONI **(2 YEARS AGO)**

total bullets=x
share of each x/3
remaining bullets
3(x/3-4)=x/3*
x=18 ans.

Is this solution Helpfull? **Yes (10)** | **No (1)**

NEELU PRASAD **(2 YEARS AGO)**

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

<div align="right">Is this solution Helpfull? Yes (5) | No (1)</div>

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
(X-4),(Y-4),(z-4)
tn this above sum is equal to initial share mean "A" value.
tn we can write
(A-4)+(A-4)+(A-4)=A (bcz: starting X=Y=Z=A)
2A=12
A=6
ans:6

manjula r, bangalore

<div align="right">Is this solution Helpfull? Yes (1) | No (6)</div>

VERSHA CHAUDHARY (2 YEARS AGO)

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

<div align="right">Is this solution Helpfull? Yes (1) | No (1)</div>

B.TEJA (1 YEAR AGO)

no of people=3
(x-4)3=x
x=6
3x=3*6=18

<div align="right">Is this solution Helpfull? Yes | No</div>

🧩 (#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

D. 20 years

Asked In *IBM*   👤 *anindita panda* (2 years ago)

Solved 👤 **RAKESH KUMAR SINGH**   💬 *Read Solution (26)*

Is this Puzzle helpful?   Yes (5)   No (3)

<div align="right">✏ Submit Your Solution
Age Problem</div>

RAKESH KUMAR SINGH (2 YEARS AGO)

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

<div align="right">Is this solution Helpfull? Yes (27) | No (4)</div>

DIPAK KAKADIYA (1 YEAR AGO)

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

<div align="right">Is this solution Helpfull? Yes (10) | No</div>

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

Is this solution Helpfull? **Yes (6)** | **No (2)**

SRIS (2 YEARS AGO)

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 Helpfull? **Yes (2)** | **No (1)**

SIDDHESH (1 YEAR AGO)

22
l
l
l
l
l

Is this solution Helpfull? **Yes (2)** | **No**

NITIN ITARE (1 YEAR AGO)

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

Is this solution Helpfull? **Yes (2)** | **No (1)**

NIHARIKA VARDHAN (1 YEAR AGO)

B.22 years

Is this solution Helpfull? **Yes (2)** | **No**

ARCHIT (1 YEAR AGO)

x-y=24
x-2y=2
age of son y age of father x y=22

Is this solution Helpfull? **Yes (2)** | **No**

VIMOX SHAH (4 MONTHS AGO)

present
F:
x+24
S:
x
2x+4=x+26
x=22

Is this solution Helpfull? **Yes (2)** | **No**

SAJID (2 YEARS AGO)

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

Is this solution Helpfull? **Yes (1)** | **No (1)**

RAMYABATTHULA (2 YEARS AGO)

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

Is this solution Helpfull? **Yes (1)** | **No (2)**

BHARATHI (2 YEARS AGO)

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

Is this solution Helpfull? **Yes (1)** | **No (1)**

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

Is this solution Helpfull? **Yes (1)** | **No (1)**

GIRI (2 YEARS AGO)

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

Is this solution Helpfull? **Yes (1)** | **No (1)**

MANISH KUMAR (4 MONTHS AGO)

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)
X+26=2X+4
26-4=X
X=22 Years

Is this solution Helpfull? **Yes (1)** | **No**

SOWMYA (4 MONTHS AGO)

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

Is this solution Helpfull? **Yes (1)** | **No (1)**

MAHIMA TIWARI (2 YEARS AGO)

(5,1,2),(8,1,0),(9,2,3),(14,1,3)
2+6=8
0+9=9
3+11=14
3+12=15(ans)

Is this solution Helpfull? **Yes** | **No (4)**

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

Is this solution Helpfull? **Yes** | **No**

MANTRIPRAGADA NIKHIL (2 YEARS AGO)

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

Is this solution Helpfull? **Yes** | **No**

UTHRA MURUGESAN (1 YEAR AGO)

http://www.careerbless.com/aptitude/qa/ages1.php

Is this solution Helpfull? **Yes** | **No**

SIVA PRATHYUSHA PATNAIKUNI (1 YEAR AGO)

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

Is this solution Helpfull? **Yes** | **No**

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..

Is this solution Helpfull? **Yes** | **No**

NAVYA GEETHA **(4 MONTHS AGO)**

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

Is this solution Helpfull? **Yes** | **No**

VELURU SATHYAVATHI **(4 MONTHS AGO)**

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

(x + 24) + 2 = 2(x + 2)

x + 26 = 2x + 4

x = 22

Is this solution Helpfull? **Yes** | **No**

SHIV KUMAR **(4 MONTHS AGO)**

let son's age x
2(x+2)= x+26
x= 22

Is this solution Helpfull? **Yes** | **No**

ARVIND KUMAR YADAV **(3 MONTHS AGO)**

let the age of the father is x and age of son is y
now according to question
x-y=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 Helpfull? **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,?

8)2,6,5,14,11,26,17,?

9)22,19.5,21.45,33,26,15,-1,?

10)1/4,1/4,1/23/2,6,?

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*   👤 *Thushara Damera* (2 years ago)

Solved 👤 **RAKESH**   💬 *Read Solution (17)*

Is this Puzzle helpful?   Yes   (28)   No   (3)

🖋 *Submit Your Solution*

Suggest its Topic ▼

RAKESH   (2 YEARS AGO)

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 => 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=43-5=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= approaximation of 1st no.
3rd term= 2nd no.+10

SO X=approax(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)
s0 3-X=1 => 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
60-55=5,55+1=56,56*5=280 => 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 => 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 => x=17

8)2,6,5,14,11,26,17,?
prime n0.s 2,3,5,7,11,13,17,19
2,3*2,5,7*2,11,13*2,17,x => 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) => x=30

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

9=4+5*1
16=6+5*2
36=21+5*3
441=x+5*4 => x=441-20=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 => X=3, Y=7

Is this solution Helpfull? **Yes (38)** | **No (1)**

RAKESH **(2 YEARS AGO)**

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= approoximation of 1st no.
3rd term= 2nd no.+10

SO X=approax(30 +3/8)=30
Y=X+10=30+10=40

Is this solution Helpfull? **Yes (12)** | **No (1)**

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

Is this solution Helpfull? **Yes (5)** | **No**

MEDURI DEEPIKA **(2 YEARS AGO)**

12.9,4,16,6,36,21,441,?
9-4=5
16-6=10
36-21=15
similarly
441-421=20
ans 421

Is this solution Helpfull? **Yes (4)** | **No**

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

Is this solution Helpfull? **Yes (3)** | **No**

THUSHARA DAMERA **(2 YEARS AGO)**

If 45.65

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

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 Helpfull? **Yes (3)** | **No**

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 => 22 , 33 , 44
second terms of brackets => 19.5 , 19.5 + 11 , (30.5 + 11*2)
third terms of brackets => 21.45 , (21.45 + 12.1) , (33.55 + 12.1)

=> x = 33.55+ 12.1 = 45.65(ans)

Is this solution Helpfull? **Yes (3)** | **No**

THUSHARA DAMERA (2 YEARS AGO)

2)11,8,17,14,23,24,31,32,?
11-3=8
8+9=17
17-3=14
14+9=23
and
23+1=24
24+7=31
31+1=32
32+7=41(ans)

Is this solution Helpfull? **Yes (2)** | **No (4)**

JYOTHSNA ANNAGI (2 YEARS AGO)

Dear RAKESH

kindly give clarity on the 11 question pls...

Is this solution Helpfull? **Yes (2)** | **No (3)**

PREETI YADAV (2 YEARS AGO)

7) series is of prime numbers
2,(3^2),5,(7^2),11,(13^2),17,(19^2)

Is this solution Helpfull? **Yes (1)** | **No**

AMIT REDHU (2 YEARS AGO)

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

Is this solution Helpfull? **Yes (1)** | **No**

CHARAN (2 YEARS AGO)

2) 41
8) 38

Description:
2) alternative prime series and missing alernate 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)

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

Is this solution Helpfull? **Yes (1)** | **No**

THUSHARA DAMERA **(2 YEARS AGO)**

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(ans)

Is this solution Helpfull? **Yes (1)** | **No**

SAVITHA KRISHNAN **(2 YEARS AGO)**

ans 30 mixed fraction 15 3/4 =63/4=15.75~16
9 1/5 =46/5 = 9.2 ~ 9
64 2/3 =194/3=64.6 ~ 65
30 3/8 =243/8 =30.3 ~ 30
for next series 10 should be added

Is this solution Helpfull? **Yes** | **No**

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

Is this solution Helpfull? **Yes** | **No**

THUSHARA DAMERA **(2 YEARS AGO)**

sorry that is 11 question

Is this solution Helpfull? **Yes** | **No**

BONI LAKSHMI **(2 YEARS AGO)**

12)9,4,16,6,36,21,441,?
(9,4),(16,6),(36,21),(441,?)
9-4=5*1
16-6=5*2
36-21=5*3
441-?=5*4
441-20=421
ans=421

Is this solution Helpfull? **Yes** | **No**

(#M40032146) IBM QUESTION

KEEP AN EYE

Q. Waht 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

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

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*2-2=22, 35*2-2=68 ………….31*2-2=60 ans*

Is this solution Helpfull? **Yes (18)** | **No (1)**

MOHAN LAL GARG **(3 YEARS AGO)**

1)difference in term is
100-98=2
98-95=3
95-90=5
90-83=7
2,3,5,7 all are prime number next prime number is 11
so next term=83-11=72 ans

2)
3)break in 3 series
1.7,6,5,4(difference -1in all term)
2.9,11,13,15(diff +2)
3.11,8,5,??(diff -3)
so next term =5-3=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
56-36=20
96-56=40
156-96=60
so difference increase by 20 so difference in next term is 80
156+80=236 ans

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

Is this solution Helpfull? **Yes (17)** | **No (2)**

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
35/5=7
16/2=8
75/5=15
80/2=40 =>Ans=40

Is this solution Helpfull? **Yes (16)** | **No**

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 Helpfull? **Yes (11)** | **No**

MAYANK GUPTA **(3 YEARS AGO)**

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

Is this solution Helpfull? **Yes (8)** | **No (1)**

SINDU (3 YEARS AGO)

*6.(12-1)*2=22,(35-1)*2=68,(15-1)*2=28,(31-1)*2=60*
ans=60

Is this solution Helpfull? **Yes (7)** | **No**

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=68-8=60 ans

Is this solution Helpfull? **Yes (6)** | **No (3)**

T G (3 YEARS AGO)

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

Is this solution Helpfull? **Yes (5)** | **No (1)**

AKHILESH KUMAR (3 YEARS AGO)

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

Is this solution Helpfull? **Yes (4)** | **No (1)**

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.

Is this solution Helpfull? **Yes (4)** | **No**

VIKAS KUMAR RAI (2 YEARS AGO)

1)100-2=98,98-3=95,95-5=90,90-7=83,83-11=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)5/3-2/3=1,31/6-19/6=2,32/3-23/3=3,108/6-84/6=4.hence answer is 108/6.

*6)divide into pairs first.now 12-1=11*2=22,35-1=34*2=68,15-1=14*2=28,31-1=30*2=60.hence the answer is 60.*

7)56-36=20,96-56=40,156-96=60,236-156=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.hnce the answer is 40.

10)10C2=45.

Is this solution Helpfull? **Yes (3)** | **No**

SWATI (2 YEARS AGO)

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

Is this solution Helpfull? **Yes (3)** | **No**

ASHISHKHUNTWAL (3 YEARS AGO)

2) in sereies jst 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 Helpfull? **Yes (2)** | **No (10)**

AKHILESH KUMAR (3 YEARS AGO)

1. 100,98,95,90,83
100-98=2
98-95=3

95-90=5
90-83=7
83-X=11
put the value of X is 72
83-72=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 14-9=5,24-14=10,39-24=15,X-39=20
so put the value of X is 59
*4*59=236*

Is this solution Helpfull? **Yes (2)** | **No**

BARSA MOHANTY **(3 YEARS AGO)**

*2)1*1+2=3*
*1*5-2=3*
*3*4-2=10*
*4*2+2=10*
ans is 10
it repeats 2 digit as same value

Is this solution Helpfull? **Yes (2)** | **No (6)**

DEEPSHIKHA GUPTA **(3 YEARS AGO)**

can any one explain me 2nd one

Is this solution Helpfull? **Yes (1)** | **No (1)**

ASHISHKHUNTWAL **(3 YEARS AGO)**

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

Is this solution Helpfull? **Yes (1)** | **No (13)**

MADHURI SINGH **(3 YEARS AGO)**

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

Is this solution Helpfull? **Yes (1)** | **No**

RAMAN OJHA **(3 YEARS AGO)**

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

Is this solution Helpfull? **Yes (1)** | **No**

LESLIE KNOPE **(2 YEARS AGO)**

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 sub-series go without primes but with *2,*3... and so on?*

Is this solution Helpfull? **Yes (1)** | **No**

SUDIPTA DUTTA **(2 YEARS AGO)**

3. (7,9,11),(6,11,8),(5,13,5),(4,15,X)
1st term of every sequence: (7-6=1),(6-5=1),(5-4=1)
2nd term: (9+2=11),(11+2=13),(13+2=15)
3rd term: (11-3=8),(8-3=5),(5-3=x)
therefore, x=2.

Is this solution Helpfull? **Yes (1)** | **No**

BONI LAKSHMI **(2 YEARS AGO)**

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

Is this solution Helpfull? Yes (1) | No

PATEL MILAN A (3 YEARS AGO)

1>100-98 =2
98-95=3
95-90=5
90-83=7
all diff primes so next will be 72 so that
83-72=11

Is this solution Helpfull? Yes | No (1)

ANUHYA (3 YEARS AGO)

6)12*2=24-2(22)
35*2=70-2(68)
15*2=30-2(28)
31*2=62-2(60)

Is this solution Helpfull? Yes | No (2)

KULKARNI (3 YEARS AGO)

ans for 2,9?

Is this solution Helpfull? Yes | No (1)

ANUSHA (3 YEARS AGO)

can any one explain me 2nd and 9th one

Is this solution Helpfull? Yes | No (1)

SOWMYA (3 YEARS AGO)

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

Is this solution Helpfull? Yes | No

SUMAN MAITI (3 YEARS AGO)

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

Is this solution Helpfull? Yes | No

BARSA MOHANTY (3 YEARS AGO)

8)there is a sequence of 4,16,64,256....
3*3-1=8
3*4=12
3*16=48
3*10-1=29
so next two nos are
3*64=192
3*256=768
then 3+7=10
10+7=17
so the next no is
3*17-1=50
so ans is 192

Is this solution Helpfull? Yes | No (3)

SHAIK FEROZ (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.

Is this solution Helpfull? Yes | No

KUNAPAREDDY RAMADEVI (1 YEAR AGO)

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

Is this solution Helpfull? Yes | No

AKSHATHA (1 MONTH AGO)

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

ABHINAVA CHAKRABORTY (1 MONTH AGO)

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.*

1 1 3
2 1 5
3 4 10
4 2 x

=> 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)   **IBM Interview Experience (27)**

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