

Placement Questions / IBM

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Keep an EYE (0)

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🚩 (#M40157538) IBM QUESTION Probability

KEEP AN EYE 🐼

In a software company 4/10 of people know C++, 2/4 of them know java, 2/8 of them know neither, find the total possibility to know C++?

Asked In IBM

Rohini (3 Months ago)

Solved by deepthi

Read Solution (4)

Is this Puzzle helpful? Yes (9) No (5)

Submit Your Solution
Probability

DEEPTHI (3 MONTHS AGO) ✓ BEST SOLUTION

ans is 1/4....
 possibility of knowing c++ = 4/10
 possibility of knowing java = 2/4

there are 4 possibilities,
 a person knows java but not c++ = $2/4 * (1 - (4/10)) = 3/10$
 a person knows c++ but not java = $4/10 * (1 - (2/4)) = 1/5$
 possibility of knowing neither = 2/8
 therefore, probability of knowing any one language only = $3/10 + 1/5 = 1/2$
 therefore, possibility of knowing both = total probability - probability of knowing neither - probability of knowing anyone language only
 total probability is always 1
 so, required probability = $1 - (2/8) - (1/2) = 1/4$

Is this solution Helpful? Yes (20) | No (3)

SUGANYA (3 MONTHS AGO)

Assume 100 persons in a company
 person knows c++ = $4/10 = 100 * 4/100 = 20$ persons
 person knows java = $2/4 = 100 * 2/4 = 50$ persons
 neither = $2/8 = 100 * 2/8 = 25$ persons
 according to our assumption 100 person = 20 + 50 + 25 = 95 person covered (5 remaining)
 so, total possibility = 20 person (c++) + 5 (remaining) = 25 persons
 which is $25/100 = 1/4$

Is this solution Helpful? Yes (6) | No (16)

DENISE CLARKE (2 MONTHS AGO)

it tells you in the question.... the opening statement - therefore 4/10

Is this solution Helpful? Yes (2) | No (3)

SUMAN DAS (2 MONTHS AGO)


```

c++ knows 2/5
java knows 1/2
knows nothing(jon snow :p) 1/4
if total people = 20(LCM of 5,2,4)
c++ knows = 8
java knows = 10
knows nothing = 5
therefore, (Java)U(C++) = (20-5)=15
knows both the language(intersection of java and c++) = (10+8)-15=3
therefore possibility to know c++ = 8+3=11
ANS is 11/20

```

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

🚩 (#M40157438) IBM QUESTION percentage

KEEP AN EYE 

In 1978, a kg of paper was sold at Rs25/-. If the paper rate increases at 1.5% more than the inflation rate which is 6.5% a year, then what will be the cost of a kg of paper after 2 years?

- (a) 29.12
- (b) 29.16
- (c) 30.12
- (d) 32.65
- (e) none of these

Asked In [IBM](#)[Rahul makhija](#) (3 Months ago)Solved [TARIQUE ANWAR](#)[Read Solution \(3\)](#)Is this Puzzle helpful? (17) (3)[Submit Your Solution](#)
Number System

TARIQUE ANWAR (3 MONTHS AGO) BEST SOLUTION

```

1.5%+6.5% = 8% ( rate increase every year)
25*8% = 2/- 25+2= 27
27*8% = 2.16/- 27+2.16 = 29.16 /-
ans is (b) 29.16

```

Is this solution Helpful? [Yes \(19\)](#) | [No \(2\)](#)

SWASTIKA CHAKRABORTY (2 MONTHS AGO)

```

rate increases every year 1.5%+6.5%=8%
after 2 years the cost will be 25*(1+8/100)^2=29.16
ans is (b)

```

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

DEBARATI CHATTERJEE (9 DAYS AGO)

```

1.5%+6.5=8%
p(1+r/100)^2
25(1+8/100)^2
29.16

```

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

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🚩 (#M40157367) IBM QUESTION Series

KEEP AN EYE 

9/8, 4/3, 12/8, 3 1/3, 7/3, 42/8, 3 1/3, 7 1/4, 1 3/3, 7/2, 5 1/3, ?

Asked In **IBM** **Riya Bose** (4 Months ago)Solved  **Priyojeet Bhunia** [Read Solution \(1\)](#)Is this Puzzle helpful? (18) (5) [Submit Your Solution](#)
Sequence and Series**PRIYOJEET BHUNIA** (4 MONTHS AGO)  **BEST SOLUTION****correction: third no is 17/8**divide series into 2 parts**9/8, 17/8, 7/3, 10/3, 13/3, 16/3..**9/8 + 1 = 17/8, 7/3 + 1 = 10/3...n so on**4/3, 10/3, 42/8, 29/4, 7/2....**4/3 + 2 = 10/3n so on.....7/2 + 2 = 11/2**ans is 11/2*Is this solution Helpful? **Yes (10)** | **No (16)** (#M40157194) **IBM QUESTION** interview call letterKEEP AN EYE 

hey! does anyone got ibm call letter for delhi/noida/gurgaon location? please reply!! Help guys!!!!

Asked In **IBM** **shailja gupta** (4 Months ago)Solved  **Saumya Madan** [Read Solution \(9\)](#)Is this Puzzle helpful? (12) (1) [Submit Your Solution](#)Suggest its Topic  (#M40157185) **IBM QUESTION** SeriesKEEP AN EYE 

1/5 , 1/2 , 1/3 , 2/5 , 1, 2/3, 3/5, 1 1/2 , 1, 4/5, ?

Asked In **IBM** **Charu Garg** (4 Months ago)Solved  **Akhil** [Read Solution \(15\)](#)Is this Puzzle helpful? (54) (11) [Submit Your Solution](#)
Sequence and Series**AKHIL** (4 MONTHS AGO)  **BEST SOLUTION**

1/5 , 1/2 , 1/3

1/5*2 , 1/2*2 , 1/3*2

1/5*3 , 1/2*3 , 1/3*3

1/5*4 , 1/2*4 , 1/3*4

so

1/5 , 1/2 , 1/3 , 2/5 , 1, 2/3, 3/5, 1 1/2 , 1, 4/5, 2, 1 1/3, ...

Is this solution Helpful? **Yes (46)** | **No (8)****CHARU GARG** (4 MONTHS AGO)

(1/5, 1/2, 1/3)

(2/5, 2/2, 2/3)

(3/5, 3/2, 3/3)

(4/5, 4/2, 4/3)

so ans is 2

Is this solution Helpful? **Yes (28)** | **No (1)****SHUBHAM JAIN** (4 MONTHS AGO)

ANS) : 2

1/5 , 1/2 , 1/3

1/5*2 , 1/2*2 , 1/3*2

1/5*3 , 1/2*3 , 1/3*3

1/5*4 , 1/2*4 , 1/3*4

so

1/5 , 1/2 , 1/3 , 2/5 , 1, 2/3, 3/5, 1 1/2 , 1, 4/5, 2, 1 1/3, ...

Is this solution Helpful? **Yes (5)** | **No****AVANEESH KUMAR** (4 MONTHS AGO)

2 is the ans

Is this solution Helpful? **Yes (2)** | **No (1)****SUSOVAN DAS** (4 MONTHS AGO)

there have three 3 series
 $1/5, 2/5, 3/5, 4/5$
 $1/2, 1, 3/2$, Ans:2
 $1/3, 2/3, 1, 4/3$

Is this solution Helpful? **Yes (2)** | **No****MONIKA AGARWAL** (4 MONTHS AGO)

ans is 2 as $1/5 \rightarrow 2*1/5 \rightarrow 3*1/5 \rightarrow 4*1/5$
 second one is $1/2 \rightarrow 1/2+1/2 \rightarrow 1+1/2 \rightarrow 3/2+1=2$

Is this solution Helpful? **Yes (1)** | **No****SOWMYA RAMESH** (4 MONTHS AGO)2 ans $1/5-3$, $1/2+1, 1/3, 2/5, 2/5-3, 2/2+1, 3/5, 3/5-3, 3/2+1, 1, 4/5, 4/5-3$ Is this solution Helpful? **Yes (1)** | **No****UDISH KUMAR** (4 MONTHS AGO)

$1/5 \ 2/5 \ 3/5 \dots 0.5 \ 1 \ 1.5 \dots 1/3 \dots 2/3 \dots 3/3 = 1 \dots$
 Answer=2

Is this solution Helpful? **Yes** | **No****SNEHA** (4 MONTHS AGO) $(1/5, 2/5, 3/5, 4/5)(1/2, 1, 1 \ 1/2, 2)(1/3, 2/3)$ Is this solution Helpful? **Yes** | **No****NIRAJ KUMAR** (4 MONTHS AGO) $1/2, 1, 1 \ 1/2, 2$ Is this solution Helpful? **Yes** | **No****MD SHABBIR AHMAD** (4 MONTHS AGO)2 , 1 $1/3$ Is this solution Helpful? **Yes** | **No****GAYATRI** (4 MONTHS AGO)

$1/2+1/2=1$
 $1+1/2=3/2$
 $3/2+1/2=2$
 so the ans is 2.

Is this solution Helpful? **Yes** | **No****AAMANI** (4 MONTHS AGO)

$1/3+1=2/3$
 $2/3+1=1$
 $1+1=2$

Is this solution Helpful? **Yes** | **No****BALA SRINIVAS VANAPALLI** (4 MONTHS AGO)

1st 3 terms... $1/5, 1/2, 1/3$ are being multiplied by 2, 3, 4... so on... for the next 3 numbers...
 $1/5*2, 1/2*2, 1/3*2$ which gives $2/5, 1, 2/3$...

Is this solution Helpful? **Yes** | **No****PRIYANK MATHUR** (4 MONTHS AGO)2. $1/2$ is addedIs this solution Helpful? **Yes** | **No**

🚩 (#M40154083) IBM QUESTION Number Series

KEEP AN EYE 

what will be the next number in the following series??

4,18,...,100,180,294- (a)32 (b)36 (c)40 (d) 48

Asked In **IBM**

MANOJ BAISOYA (1 year ago)

Solved **Sourav Bagchi**

[Read Solution \(13\)](#)

Is this Puzzle helpful? (78) (20)

[Submit Your Solution](#)
Trigonometry

SOURAV BAGCHI (1 YEAR AGO) **BEST SOLUTION**

$2 \times 2 \times 1 = 4;$
 $3 \times 3 \times 2 = 18;$
 $4 \times 4 \times 3 = 48;$
 $5 \times 5 \times 4 = 100;$
 $6 \times 6 \times 5 = 180;$
 $7 \times 7 \times 6 = 294;$
 so answer is (d) 48.

Is this solution Helpful? **Yes (82)** | **No (1)**

VENKATESH PAI (10 MONTHS AGO)

$2^3 - 2^2 = 4;$
 $3^3 - 3^2 = 18;$
 $4^3 - 4^2 = 48;$
 $5^3 - 5^2 = 100;$
 $6^3 - 6^2 = 180;$
 $7^3 - 7^2 = 294;$
 so answer is (d) 48.

Is this solution Helpful? **Yes (6)** | **No**

ZEE (1 YEAR AGO)

1/7, 3/4, 4/9, 5/6, 6/11, 7/8, ?

sol:

N: 1, 1+2, 4, 2+3, 6, 3+4, 8, 4+5

D: 7, 4, 9, 6, 11, 8, 13, 10 (-3 and +3 to each term)

so the next two terms will be 8/13 and 9/10.

Is this solution Helpful? **Yes (2)** | **No (13)**

AMIT GABA (8 MONTHS AGO)

$2^2 \times 1 = 4$
 $3^2 \times 2 = 18$
 $4^2 \times 3 = 48$
 $5^2 \times 4 = 100$

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

SHACHI (1 YEAR AGO)

3. 1/7, 3/4, 4/9, 5/6, 7/11, 7/8, ?

Answer is 10/13

For numerator, 1, 1+2=3, 4, 4+1=5, 7, 7+0=7, 10

For denominator, 7, 7-3=4, 4+5=9, 9-3=6, 6+5=11, 11-3=8, 8+5=13

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

OLGA (10 MONTHS AGO)

48
you plus 14, 30, 52, 80, 114

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

MEKA.JAYA DEVI (1 YEAR AGO)

Please explain your answer properly to make it approve?48

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

MOHAN VANKAM (9 MONTHS AGO)

The answer is 438...Refer Sourav Solution .

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

TUSHAR BASTOGI (8 MONTHS AGO)

TUSHAR KASTURGI (9 MONTHS AGO)

$2^2 \times 1 = 4$
 $3^2 \times 2 = 18$
 $4^2 \times 3 = 48$
 $5^2 \times 4 = 100$
 $6^2 \times 5 = 180$
 $7^2 \times 6 = 294$
 so the ans is 48

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

LEENA (4 MONTHS AGO)

$2 \times 2 \times 1 = 2$
 $3 \times 3 \times 2 = 18$
 $4 \times 4 \times 3 = 48$

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

RAHUL SINGH (4 MONTHS AGO)

$14 \times 21 = 294$
 $12 \times 15 = 180$
 $10 \times 10 = 100$
 $8 \times 6 = 48$
 $6 \times 3 = 18$
 $4 \times 1 = 4$

The left side of the multiplications are increasing in the order of 2 and the right side in 2, 3, 4, 5, 6

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

AAMANI (4 MONTHS AGO)

$2 \times 2 \times 1 = 4$
 $3 \times 3 \times 2 = 18$
 $4 \times 4 \times 3 = 48$

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

AAMANI (4 MONTHS AGO)

$2 \times 2 \times 1 = 4$
 $3 \times 3 \times 2 = 18$
 $4 \times 4 \times 3 = 48$

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

🔑 (#M40152821) IBM QUESTION

KEEP AN EYE 

1, 2, 9, 24, 120, 36, ?

Asked In [IBM](#)Solved by [vivek](#)Is this Puzzle helpful? (176) (33)[Avijit Das](#) (1 year ago)[Read Solution](#) (12)[Submit Your Solution](#)
Number Series

DIVYA PRIYANKA PEELA (1 YEAR AGO)

ans is 5040
 $1! = 1$
 $2! = 2$
 $3^2 = 9$
 $4! = 24$
 $5! = 120$
 $6^2 = 36$
 and according to the sequence now
 $7! = 5040$

Is this solution Helpful? [Yes](#) (135) | [No](#) (9)

HEMASWETHAHARIKA (1 YEAR AGO)

i have 1 backlog in btech 1 year . but its clear now i got 75 percent .i am eligible for ibm .can i apply .help me frnds plzzzzz ---reply plz my mail
 id.-----hemamanisaidurga@gmail.com

Is this solution Helpful? [Yes](#) (74) | [No](#) (7)

HEMASWETHAHARIKA (1 YEAR AGO)

i have 1 backlog in b.tech 1 year and now its clear.i got 75 percent .i am eligible for ibm .can i apply .plzzzzzzzzzz tell me frnds plzzzzzzzz

Is this solution Helpful? **Yes (28)** | **No (10)**

VIVEK (1 YEAR AGO)  **BEST SOLUTION**



720
 $1! = 1$
 $2! = 2$
 $3^2 = 9$
 $4! = 24$
 $5! = 120$
 $6^2 = 36$
 $7! = 720$

Is this solution Helpful? **Yes (24)** | **No (114)**

SHIWANI (1 YEAR AGO)

ans is $7! = 5040$
 $1! = 1$
 $2! = 2$
 $3^2 = 9$
 $4! = 24$
 $5! = 120$
 $6^2 = 36$
 $7! = 5040$

Is this solution Helpful? **Yes (11)** | **No (15)**

ANIL POKHARIYAL (3 MONTHS AGO)

exam mei question solve karna to bahut logo ko aata hai but most make mistake of syntax or write the wrong answer.
 To them who write $7! = 720$
 I have made this kind of mistake many time, now I understand the value of being aware at exam.

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

VAHEEDA BEGUM (1 YEAR AGO)

logic which was used by divya and vivek was understood but how it will be $7! = 720$..can anyone explain?

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

AKSHATHA GANESAN (1 YEAR AGO)

5040
 $1! = 1$
 $2! = 2$
 $3^2 = 9$
 $4! = 24$
 $5! = 120$
 $6^2 = 36$
 $7! = 5040$

Is this solution Helpful? **Yes (6)** | **No (1)**

AKHIL (1 YEAR AGO)

$1!$
 $2!$
 3^2
 $4!$
 $5!$
 6^2
 $7! = 5040$

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

SHUBHAM JAIN (5 MONTHS AGO)



ans is 5040
 $1! = 1$
 $2! = 2$
 $3^2 = 9$
 $4! = 24$
 $5! = 120$
 $6^2 = 36$
 and according to the sequence now
 $7! = 5040$

Is this solution Helpful? **Yes (3)** | **No (1)**

PALSA SRINATH (4 MONTHS AGO)

$1!=1$
 $2!=2$
 $3^2=9$
 $4!=24$
 $5!=120$
 $6^2=36$
 $7!=5040$

Is this solution Helpful? [Yes \(3\)](#) | [No](#)**SACHIDANAND YADAV** (1 DAY AGO)

$1!=1$
 $2!=2*1=2$
 $3^2=9$
 $4!=4*3*2*1=24$
 $5!=5*4*3*2*1=120$
 $6^2=36$
 $7!=7*6*5*4*3*2*1=5040$

Is this solution Helpful? [Yes](#) | [No](#)**#M40151481** IBM QUESTION

KEEP AN EYE

Regarding IBM drive on 5th may at PIET.....

I have already applied in IBM in january 2015 but got rejected in HR round. So how much more time i have to wait for applying in further drive.

And suppose if i applied in this drive then how many chances are there to get caught???

I have applied with different mail id and contact no.

Plz do tell guyz??????????????

Asked In [IBM](#)[Deep Singh](#) (1 year ago)Solved [bhuvaneswari](#)[Read Solution](#) (20)Is this Puzzle helpful? (10) (3)[Submit Your Solution](#)
undefined**#M40151288** IBM QUESTION series

KEEP AN EYE

$1/3, 1/2, 1/4, 2 \frac{1}{3}, 3 \frac{1}{2}, 4 \frac{1}{4}, 4 \frac{1}{3}, 6 \frac{1}{2} ?$

Asked In [IBM](#)[Deepti Malviya](#) (1 year ago)Solved [vishala gade](#)[Read Solution](#) (10)Is this Puzzle helpful? (35) (8)[Submit Your Solution](#)
Arithmetic**INDRAIT MONDAL** (1 YEAR AGO)

there are 3 series---
 $1/3, 2 \frac{1}{3}, 4 \frac{1}{3}$
 $1/2, 3 \frac{1}{2}, 6 \frac{1}{2}$
 $1/4, 4 \frac{1}{4}, ?$
 ans--8 $\frac{1}{4}$

Is this solution Helpful? [Yes \(40\)](#) | [No \(4\)](#)**VISHALA GADE** (1 YEAR AGO) **BEST SOLUTION**

$1/3, 2 \frac{1}{3}, 4 \frac{1}{3}$
 $1/2, 3 \frac{1}{2}, 6 \frac{1}{2}$
 $1/4, 4 \frac{1}{4}, \text{ans: } 8 \frac{1}{4} (\text{here we have to multiply with } 2)$

Is this solution Helpful? [Yes \(18\)](#) | [No \(1\)](#)**SIRI** (1 YEAR AGO)

questions
 $1/2, 5/4, 2, 11/4, 7/2 ?$

Is this solution Helpful? [Yes \(9\)](#) | [No](#)**CHEMEKELA NARENDRA** (1 YEAR AGO)

Ans is 17/4. @siri

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

RINI SARKAR (1 YEAR AGO)

Did anyone got any mail for the interview drive in Kolkatta on 12 April 2015 ? Plz rply

Is this solution Helpful? **Yes (3)** | **No (1)**

CHEMEKELA NARENDRA (1 YEAR AGO)

Ans is 8 1/4

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

PRATHAM PATIL (1 YEAR AGO)



7 1/4
1/4, 4 1/4, 7 1/4

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

SAMIKSHA (1 YEAR AGO)

Dn 3,2,4 repeat and mum inc by 20 last 3 so and is 81/4

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

SAMIKSHA (1 YEAR AGO)

Dn 3,2,4 repeat and mum inc by 20 last 3 so and is 81/4

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

AAMANI (4 MONTHS AGO)

1/3 + 1 = 2 1/3
2 1/3 + 2 = 4 1/3
2 1/3 + 4 = 6 1/3

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

🔑 (#M40151284) IBM QUESTION Series

KEEP AN EYE

Can anyhow help me with an easy solution for this

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

Ans is 576

Asked In **IBM**

Solved **RAKESH**

Is this Puzzle helpful? (42) (9)

Deepti Malviya (1 year ago)

[Read Solution \(16\)](#)

[Submit Your Solution Number Series](#)

RAKESH (1 YEAR AGO) **BEST SOLUTION**



2, 7, 36, 4, 14, 225, 6, 21, ?
break in three series

2, 4, 6 (+2)
7, 14, 21 (+9)

6^2, 15^2, 24^2 (+9)
36(6^2), 225(15^2), 576(24^2)

Is this solution Helpful? **Yes (92)** | **No (10)**

DILEEP (1 YEAR AGO)

2, 7, 36, 4, 14, 225, 6, 21, ?
2+7=9 and 9-3=6 and 6^2=36
4+14=18 and 18-3=15 and 15^2=225
6+21=27 and 27-3=24 and 24^2=576

Is this solution Helpful? **Yes (39)** | **No**

SHASHIDER (1 YEAR AGO)

2, 4, 6, ... (+2)
7, 14, 21, ... (+7)
6*2, 15*2, ... (+9)
ans: 24*2=576

Is this solution Helpful? **Yes (9)** | **No****M.SIVANI PRIYADARSANI** (1 YEAR AGO)

$$6 \times 6 = 36$$

$$6 + 9 = 15$$

$$15 \times 15 = 225$$

$$15 + 9 = 24$$

$$24 \times 24 = 576$$

Is this solution Helpful? **Yes (6)** | **No****PRAKASH RABIDAS** (1 YEAR AGO)

2, , 4, , 6, ... -difference is 2
 7, , 14, , 21, ... -difference is 7
 6^2 , , 15^2 , , 24^2 ... -difference is 9

Is this solution Helpful? **Yes (4)** | **No****LAVANYA RATHNAM** (1 YEAR AGO)

$$20^2 = 400$$

$$2 \times 3 = 6 + 1 = 7$$

$$7 - 1 = 6^2 = 36$$

$$4 \times 3 + 2 = 14$$

$$15^2 = 225$$

$$6 \times 3 + 3 = 21$$

$$21 - 1 = 20$$

$$20^2 = 400$$

Is this solution Helpful? **Yes (3)** | **No (1)****SPANDANA** (1 YEAR AGO)

on dividing the entire number sequence as (2,4,6) and next (7,14,21) and next is (36,225,---). Now we need check for the logic for the third set. 1st number in 3rd set is $6^2 = 36$, next comes 15^2 , difference between 15 and 6 is 9 and it gives $15 + 9 = 21$. $21^2 = 576$

Is this solution Helpful? **Yes (3)** | **No (3)****CHANDANA** (1 YEAR AGO)

2,4,6 is one series(+2)
 7,14,21 is one series(+7)
 $36(6 \times 6)$, $225(15 \times 15)$, ... Here the difference between 6,15 is 9, so next number should be $15 + 9 = 24$ i.e. $24 \times 24 = 576$

Is this solution Helpful? **Yes (1)** | **No (1)****ANIL KUMAR MOTE** (4 MONTHS AGO)

2,7,36,4,14,225,6,21,?
 $2 + 7 = 9$ now subtract 3 from each $9 - 3 = 6$ and $6^2 = 36$
 likewise
 $21 + 6 = 27$ i.e. $27 - 3 = 24$ i.e. $24^2 = 576$

Is this solution Helpful? **Yes (1)** | **No****NARESH** (1 YEAR AGO)

in this questions there are three series
 2,4,6 -> belongs to 1 series
 7,14,21 -> belongs to 1 series
 $36, 225, 576 \Rightarrow 6^2, 15^2, 24^2$ (here the difference between the numbers that are to be squared is same i.e. $15 - 6 = 24 - 15$).

Is this solution Helpful? **Yes** | **No****DEEPAK KUMAR** (1 YEAR AGO)

ans:400
 2,4,6
 7,14,21
 $7 - 1 = 6^2 = 36$, $14 + 1 = 15^2 = 225$, $21 - 1 = 20^2 = 400$.

Is this solution Helpful? **Yes** | **No (5)****DHANDYALA AKHILA** (4 MONTHS AGO)

2,7,36,4,14,225,6,21
 2,4,6 are in the form as +2
 7,14,21 are in the form of $7 \times 1 = 7$, $7 \times 2 = 14$, $7 \times 3 = 21$ as +7
 now 36 is 6 square, 225 is 15 square, now 24 square is 576 as +9

Is this solution Helpful? **Yes** | **No****SHUBHAM JAIN** (4 MONTHS AGO)

break it into 3 series..
 2,4,6 and 7,14,21 and 36,225..
 now the term to be found is in series 36,225..
 so $36=6^2$, $225=15^2$,
 $24^2=576$..

Is this solution Helpful? [Yes](#) | [No](#) (1)**TAHAR** (4 MONTHS AGO)

Another possible solution is 1944
 $2, 7, 36=9*4^1$
 $4=2*2, 14=7*2, 225=9*5^2$
 $6=2*3, 21=7*3, 1944=9*6^3$ following the same pattern

Is this solution Helpful? [Yes](#) | [No](#) (1)**ANAND** (3 MONTHS AGO)

$(2, 7, 36) 2+7=9, 9-3=6, 6*6=36$ similarly,

 $(6, 21, ?) 6+21=27, 27-3=24, 24*24=576$

Is this solution Helpful? [Yes](#) | [No](#)**SANKHA** (3 MONTHS AGO)

$(2+7)-3=6^2=36$,
 $(4+14)-3=15^2=225$,
 $(6+21)-3=24^2=576$

Is this solution Helpful? [Yes](#) | [No](#)**Keep an EYE (0)****Solved Question (162)****IBM Interview Experience (27)****Unsolved Question (1481)**Pages: 17 [First](#) [Prev](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [Next](#) [Last](#)0 Comments **m4maths**[Login](#)[Recommend](#) [Share](#)

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