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GOUTAM

9

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Keep an EYE (0) Solved Question (162)

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[?](#) (#M40035206) IBM QUESTION KEEP AN EYE

A watch was sold at a profit of 15%. If its cost had been 5% less and it had been sold for Rs. 21 less, than the profit would have been 10%. Find the cost price of the watch

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Asked In [IBM](#)
[Solved](#) [berry bisi](#) Is this Puzzle helpful?

Yes (39) No (11)

[Aashu](#) (2 years ago) [Read Solution](#) (7)

[Submit Your Solution](#) Profit and Loss

[GAURIMODANI](#) (2YEARSAGO)

Better to avoid algebraic method as it consumes more time . So let cost price =100
then 1st selling price =115(profit 15%)

the second cost price =95(cost price is 5% less) then second price =95+10% of 95=104.50

therefore the difference in selling price =115-104.50=10.50 bt actual difference is 21

if difference is 10.50 the cost price=100
if difference is 21 the cost price =(100/10.50)*21=200 so x =200 (answer)

[SUBRATA PATRA](#) (2 YEARS AGO)

let the price of the watch is x
it was sold at a profit of 15%
then the price of the watch is 1.15x
again cost had been decreased by 5% i.e 0.95x according to the question $1.15x = 0.95x * (110/100) + 21$
then x=200

[BERRYBISI](#) (2YEARSAGO)

Let the cost price be x S.p.=(1+.15)x
New c.p.=.95x
New s.p.=(1+.1).95x
By given question $(1+.15)x(1+.1).95x=21$

Is this solution Helpful? [Yes \(94\)](#) | [No \(1\)](#)

Is this solution Helpful? [Yes \(20\)](#) | [No](#)

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MUNI (2YEARSAGO)

let us consider cp is x
 $sp = x + 15\%x = x + 15/100x = 23/20x$
if cost price is reduced by 5% means new cp = $xx/20 = 19/20x$ sp is reduced by 21 means new sp = $23/20x \times 21$
profit is 10% means $10/100 \times 19/20x = 19/200x$
from data
spcp = profit
 $23/20x \times 21 - 19/20x = 19/200x$
 $230x \times 21 - 19x = 19$
 $230 \times 21 - 19 = 4831$
 $4831 - 19 = 4812$
 $4812 / 20 = 240.6$
so cp = 200

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SOMBHATLA NAVEENA (1 YEAR AGO)

the way gauri modani explained was superb....keep it up gauri

DEEP SINGH (1 YEAR AGO)

s.p=115/100*c.p.....(1) s.p21=110/100 (c.p5/100 c.p)
put value of s.p from (1) in (2)... 115/100*c.p21=110/100 (c.p5/100 c.p) solve it and c.p comes=Rs 200

B.TEJA (1 YEAR AGO) $10/21 \times 100 =$

RAKESH (2YEARSAGO)

'APPLE' contains 5 letters in which 1A, 2P, 1L & 1E

reqd no. of ways = $5!/2! = 5 \times 4 \times 3 = 60$

MD SOHAIL AKHTER (2 YEARS AGO)

since there are 5 letters in 'APPLE'. and P appears 2 times

so they can be arranged in $5!/2!=60$ ways

BHAGAT (2YEARSAGO)

Totally there are 5 letters on the word APPLE. it contains 1A,2P,1L,1E.

The no of ways is $5!/2!=120/2=60$ ways.

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

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

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

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



🔖 (#M40035025) IBM QUESTION KEEP AN EYE

In how many different ways can the letters of the word 'APPLE' be arranged?

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[Solved](#) [RAKESH](#)
Is this Puzzle helpful?

Yes (18)

No (7)

[Aashu](#) (2 years ago) [Read Solution \(18\)](#)

[Submit Your Solution](#) Permutation and Combination



[SHRAVANKUMARH](#) (2YEARSAGO)
The word APPLE contains 5 letters, so it can be arranged in 120 ways. But the letter P is repeated 2 times so it can be arranged in $120/2=60$ ways.

Is this solution Helpful? [Yes \(34\)](#) | [No](#)

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

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

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AADIL HHUSSAIN (2 YEARS AGO)

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

$X = 21 / (1.151.045) = 21 / .105 = 200$ Cost of watch = 200

Is this solution Helpful? [Yes \(14\)](#) | [No \(1\)](#)

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GIRIBOINA CHANDANA (2 YEARS AGO) 1A,2P,1L,1E

the no of ways = $5!/2! = 60$

AADIL HHUSSAIN (2 YEARS AGO)

$5!/2! = 60$
 $5!$ for the arrangement of APPLE $2!$ for the repetition of p...

ANKITA GUPTA (1 YEAR AGO) $5!/2! = 60$

so 60 is answer.

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

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

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

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SHABANA BANU SHAIK (1 YEAR AGO)
number of letters in the word apple is 5.....so number of ways we can arrange it is 5! times.....as two letters are repeated.....it can be



arranged as $5!/2! = 120/2 = 60$

DIVYA (2 YEARS AGO)
APPLE contains 5 letters so $5! = 120$

SUBRATA PATRA (2 YEARS AGO) $5!/2 = 60$ ways

SHABANABEGUM (2 YEARS AGO)
APPLE=5, 2P are there so $2! \dots 5!/2! = 60$

KUMKUMSARGAIYAN (2 YEARS AGO) $5!/2! = 120/2 = 60$

ASMITAXAVIERDUNG DUNG (2 YEARS AGO) 60, $(5 \times 4 \times 3 \times 2 \times 1) / 2$

RAJI SAMLA (2 YEARS AGO)

$5!/2! = 60$
no. of letters in apple = 5 repetition = 2!

SWATI VILAS KADAM (2 YEARS AGO)

60
APPLE contains 5 letters so its 5! and P is repeated 2 times so its 2! so solution is $5!/2! = 60$

PRIYA (2 YEARS AGO) 60

$5!/2! = 60$

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

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

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

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

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

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

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

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



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DIVYABISHNOI (2YEARSAGO)

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

60
becoz APPLE can be arranged in 5! different way and becoz of repetation of P,5! is divided by 2!...so answer is 60..

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

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SARASWATHY (2YEARSAGO)

7776,625,64,9,2, x 7796 > 6^5
625 > 5^4
64 > 4^3

9 > 3^2
2 > 2^1
x > 1^0 ==> 1

Ans : 1

GITANJALI K (2 YEARS AGO)

6^5=7776
5^4=625
4^3=64
3^2=9
2^1=2
1^0=1
therefore next no. is 1

RUPENDRASAHU (1YEARAGO)

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

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

SRAVANI (2YEARSAGO) $6^5, 5^4, 4^3, 3^2, 2^1, 1^0 = 1$

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K.SIVANAGAVALLI (2YEARSAGO)

$6^5=7776$ $5^4=625$ $4^3=64$ $3^2=9$ $2^1=2$ $1^0=1$
next number 1

DIVYA (2 YEARS AGO)

$64=4^3$ $9=3^2$ $2=2^1$

Is this solution Helpful? [Yes \(57\)](#) | [No \(2\)](#)

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

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

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

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

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 (#M40034857) IBM QUESTION number series KEEP AN EYE

What is the next number of the following sequence 7776,625,64,9,2



Asked In [IBM](#)

[Solved](#) [Saraswathy](#) Is this Puzzle helpful?

[Yes \(40\)](#)

[No \(4\)](#)

[Jagriti Banerjee](#) (2 years ago) [Read Solution \(9\)](#)

[Submit Your Solution](#) Number Series

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$5!/2!=60$

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

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PRIYANKA (2 YEARS AGO)



$1^0=1$ is ans. $6^5=7776$ $5^4=625$ $4^3=64$ $3^2=9$ $2^1=2$ $1^0=1$

GIRIBOINA CHANDANA (2 YEARS AGO)

here $2^1=2$
 $3^2=9$
 $4^3=64$
 $5^4=625$
 $6^5=7776$
 $7^6=117649$ 117649 is the answer

MONIKA BATHAM (1 YEAR AGO)

series is lyk dat $6^5, 5^4, 4^3, 3^2, 2^1, \dots$ so next term is $1^0=1$

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

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

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

🔖 (#M40034813) IBM QUESTION number series KEEP AN EYE

What is the next number of the following sequence 49,7,98,16,4,48,9,3,36,25,5,125

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Asked In [IBM](#)

Solved [Prateek Agarwal](#)

Is this Puzzle helpful? Yes (30)

No (14)

[Jagriti Banerjee](#) (2 years ago) [Read Solution \(14\)](#)

[Submit Your Solution](#) Sequence and Series

[DIVYA](#) (2 YEARS AGO)

$7^2=49$
 $49*2=98$
(73==>4)subtraction of odd number $4^2=16$
 $16*3=48$
(41==>3)subtraction of odd number $3^2=9$
 $9*4=36$
(3+2==>5)addition of even number $5^2=25$
 $25*5=125$
(5+4==>9)addition of next even number $9^2=81$
 $81*6=486$
ans:81,9,486

[HARDEEP SINGH](#) (2 YEARS AGO) (49,7,98),(16,4,48),(9,3,36),(25,5,125),(x,y,z)

in each groups 2nd element² = 1st element thus we need to find y first to get the value of x ..

thus consider only 2nd term of each group ... (_,7,_) , (_,4,_) , (_,3,_) , (_,5,_)

Is this solution Helpful? [Yes \(12\)](#) | [No \(6\)](#)

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$1=1^0$ ans :1

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

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[RAJ KIRAN](#) (2 YEARS AGO) 36,6,216 simply

[ANIL535](#) (2 YEARS AGO) $(7^2, 7, 7^2 \cdot 2), (4^2, 4, 4^2 \cdot 3)(3^2, 3, 3^2 \cdot 4), (5^2, 5, 5^2 \cdot 5), (6^2, 6, 6^2 \cdot 6)$

[PRATEEKAGARWAL](#) (2YEARSAGO) $7 \times 7 = 49$

$49 \times 2 = 98$

$4 \times 4 = 16$ $16 \times 3 = 48$

$3 \times 3 = 9$ $9 \times 4 = 36$...and so on

Is this solution Helpful? [Yes \(7\)](#) | [No \(5\)](#)

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

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DEEPIKA KV (2 YEARS AGO) give proper ans pls

AKHIL BALUJA (2 YEARS AGO)

$36 \times 6 = 216$ ans so $x = 36$
 $y = 6$
 $z = 216$

CHIRAGRANJANLAHIRI (2YEARSAGO)

$36 \times 6 = 216$ ans so $x = 36$
 $y = 6$
 $z = 216$

Is this solution Helpful? Yes (5) | No (33)

Is this solution Helpful? Yes (4) | No (2)

Is this solution Helpful? Yes (3) | No (5)

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now $74 = 3 \mid 31 = 2$
 $43 = 1 \mid$
 $35 = 2 \mid 1(2) = 3$
i.e. $5y = k \mid 2k=4 > k=6$

i.e. $5y=k > 5y=6 > y=11$ therefore $x = y^2 > 11^2 > 121$ (121,11,726)

Is this solution Helpful? [Yes \(12\)](#) | [No \(8\)](#)

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VIVEK KUMAR (1 YEAR AGO) ans is 36 6 216

MANOJ BAISOYA (1 YEAR AGO)

$7^2=49$
 $49*2=98$
($73==>4$)subtraction of odd number $4^2=16$
 $16*3=48$
($41==>3$)subtraction of odd number $3^2=9$
 $9*4=36$
($3+2==>5$)addition of even number $5^2=25$
 $25*5=125$
($5+4==>9$)addition of next even number $9^2=81$
 $81*6=486$
ans:81,9,486

SUBASH (1 YEAR AGO) (49,7,98),(16,4,48),(9,3,36),(25,5,125),(x,y,z)

($7^2, 7, 7^2*2$)
 $98/7=14$; $14(7+3)=4$; ($4^2, 4, 4^2*3$).
 $48/4=12$. $12(4+5)=3$; ($3^2, 3, 3^2*4$). next series, we know (25,5,125) $36/3=12$. $12(3+y)=5.. y=4$. So the last series would be ($4^2, 4, 4^2*6$)

ARPITDUBEY (1YEARAGO)
xyz value of new term (121 , 11 , 726)

ALOK SWARNKAR (1 YEAR AGO)

$7*7=49$, $7^2=14*7=98$ $4*4=16$, $4*3=12*4=48$ $3*3=9$, $3*4=12*3=36$ $5*5=25$, $5*5=25*5=125$

SOMBHATLA NAVEENA (1 YEAR AGO)
vivek can u pls explain me how u have got that ans....

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

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

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

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

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

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



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🔖 (#M40034782) IBM QUESTION number series KEEP AN EYE



81,162,49,98,25,50,64

Asked In IBM

Solved [naval gupta](#) Is this Puzzle helpful?

Yes (13)

No (1)

(2 years ago)

[Read Solution \(15\)](#)

[Submit Your Solution](#) Sequence and Series

NAVAL GUPTA (2 YEARS AGO)

[81,162],[49,98],[25,50],[64,128] $81*2=162$
 $49*2=98$
 $25*2=50$

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MD SOHAIL AKHTER (2 YEARS AGO) $81*2=162, 49*2=98, 25*2=50, 64*2=128$

ans 128

SNEHA (2 YEARS AGO)

$81*2=162, 49*2=98, 25*2=50, 64*2=128$

SHUBHAM KUMAR (2 YEARS AGO)

128
number is odd differ by 2,
 $9^2, 9^2*2, 7^2, 7^2*2, 5^2, 5^2*2$, if number=5, then
number is even differ by 2 but starting number first even number $8^2, 8^2*2$

NASSARSHAHAB (2 YEARS AGO) $81*2, 49*2, 25*2, 64*2$

NISHASHREE J C (2 YEARS AGO)

(81,162)(49,98)(25,50)(64,) clearly $81*2=162$
 $49*2=98$ and $25*2=50$ so $64*2=128$ Answer=128

KOYEL CHATTERJEE (2 YEARS AGO) $9^2, 9^2*2, 7^2, 7^2*2, 5^2, 5^2*2, 8^2, 8^2*2=128$

ans: 128

MANASA AKULA (2 YEARS AGO)

$81+81=162, 49+49=98$
Ans $64+64=128$ sa

DIVYA (2 YEARS AGO)

$81*2==>162, 49*2==>98, 25*2==>50, 64*2==>128$

SUBRATA PATRA (2 YEARS AGO) 128

$64*2=128$

PIYUSH PAREEK (2 YEARS AGO)

$81*2=162, 49*2=98, 25*2=50, 64*2=128$. Ans=128

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

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

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

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GIRIBOINA CHANDANA (2 YEARS AGO)

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

$64 \times 2 = 128$ )

Is this solution Helpful? [Yes \(34\)](#) | [No](#)

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TEJA (2 YEARS AGO)

$81 \times 2 = 162$ $49 \times 2 = 98$ $25 \times 2 = 50$ $64 \times 2 = 128$

SUNKARI APARNA (2 YEARS AGO)

$81 \times 2 = 162$ $49 \times 2 = 98$ $25 \times 2 = 50$
so $64 \times 2 = 128$

DWARAMPUDI DHARANISINDHU (2 YEARS AGO) $81 \times 2 = 162, 49 \times 2 = 98, 25 \times 2 = 50, 64 \times 2 = 128$

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

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

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

$81 \times 2 = 162$
 $49 \times 2 = 98$
 $25 \times 2 = 50$ then
 $64 \times 2 = 128$ the answer is 128

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

 (#M40034778) IBM QUESTION Number Series KEEP AN EYE

Written Test in IBM held on 6th April at Acharya Institute of Technology, Bangalore. 1.Number Series(18 Questions)
2.Aptitude(18 Questions)==>Average
Time and Work

Time and Distance
Partnership
Total 36 Questions.
No negative Marking.
Each Question having 2min 15sec.

- 1) 3,6,9,12,15,18,21,?
- 2) 1,3,4,5,13,2,3,4,22,1,2,3,?
- 3) 0,1,1,2,0.5,2,2,,4,2,2,4,3,7,2,?
- 4) $1/2, 1/4, 3/4, 3/8, 7/8, 7/16, ?$
- 5) 2,8,3,27,4,64,5,125,6,216,7,?
- 6) 2,3,10,15,26,35,50,?
- 7) 8.2,3.9,12.1,6.2,4.4,10.6,4.2,4.9,9.1,2.2,5.4,? 8) 2,3,6,13,28,?
- 9) 18,6,3,33,11,8,45,15,12,72,?
- 10) 1,1,3,9,11,121,?
- 11) 3,6,9,82,80,30,33,36,55,53,24,? 12) 52,62,42,78,89,68,49,61,39,63,76,?
- 13) 12,6,15,5,28,14,9,3,18,?
- 14) 2,1,2,4,8,2,16,0.5,8,3/4,?

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SARASWATHY (2YEARSAGO)

1) 3,6,9,12,15,18,21, x $3 \times 1 = 1$
 $3 \times 2 = 6$
 $3 \times 3 = 9$

.

$3 \times 7 = 21$ $3 \times 8 = 24$ Ans : 24

2) 1,3,4,5,13,2,3,4,22,1,2,3, x $1 + 3 + 4 + 5 = 13$
 $13 + 2 + 3 + 4 = 22$
 $22 + 1 + 2 + 3 = 28$

Ans : 28

3) 0,1,1,2,0.5,2,2,,4,2,2,4,3,7,2, x $0 + 1 = 1$
 $1/2 = 0.5$
 $2 + 2 = 4$

$4/2 = 2$ $4 + 3 = 7$ $7/2 = 3.5$ Ans : 3.5

4) $(1/2, 1/4, 3/4, 3/8), (7/8, 7/16, x, y)$ $1/2 \times 1/2 = 1/4$
 $1/4 \times 3 = 3/4$
 $3/4 \times 1/2 = 1/8$

$7/8 \times 1/2 = 7/16$ $7/16 \times 3 = 21/16$ $21/16 \times 1/2 = 21/32$ Ans : 21/16, 21/32

5) (2,8),(3,27),(4,64),(5,125),(6,216),(7, x) cube of 1st number is 2nd number
 $7^3 = 343$
Ans : 343

6) 2,3,10,15,26,35,50, x $1^2 + 1 = 2$
 $2^2 + 1 = 3$
 $3^2 + 1 = 10$

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$4^2 - 1 = 15$ $5^2 + 1 = 26$ $6^2 - 1 = 35$ $7^2 + 1 = 50$ $8^2 - 1 = 63$ Ans : 63

7) (8,2,3,9,12,1),(6,2,4,4,10,6),(4,2,4,9,9,1),(2,2,5,4, x) $12.1 - 1.5 = 10.6$
 $10.6 - 1.5 = 9.1$
 $9.1 - 1.5 = 7.6$

Ans : 7.6



15) 10,12,36,7,5,15,19,21,? 16) 5,1,2,8,8,1,0,9,9,2,3,?

17) $15 \frac{3}{4}, 16, 26, 9 \frac{1}{5}, 9, 19, 64 \frac{2}{3}, 65, 75, 243/8, ?$ (Or)
 $63/4, 16, 26, 46/5, 9, 19, 194/3, 65, 75, 243/8, ?$

18) 7,14,4,15,30,20,21,?

Asked In [IBM](#)

Solved [RAKESH](#)

Is this Puzzle helpful?

Yes (44)

No (7)

(2 years ago)

[Read Solution \(12\)](#)

[Submit Your Solution](#) Sequence and Series

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8) 2,3,6,13,28, x $2 \times 21 = 3 \times 2 + 0 = 6$
 $6 \times 2 + 1 = 13$ $13 \times 2 + 2 = 28$ $28 \times 2 + 3 = 59$ Ans : 59

9) (18,6,3),(33,11,8),(45,15,12),(72, x, y) $18/3 = 6$
 $63=3$
 $33/3 = 11$

11 $3 = 8$ $45/3 = 15$ $15 - 3 = 12$ $72/3 = 24$ $24 - 3 = 21$ Ans : 24, 21

10) 1,1,3,9,11,121, x $1^2 = 1$
 $1+2=3$
 $3^2 = 9$

$9 + 2 = 11$ $11^2 = 121$ $121 + 2 = 123$ Ans : 123

11) 3,6,9,82,80,30,33,36,55,53,24,? 2 types of series:
3,6,9 82,80
30,33,36 55,53

24,27,30 Ans : 27

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12) (52,62,42),(78,89,68),(49,61,39),(63,76, x) $62 > 52 + 10 \dots 42 > 52 - 10$
 $89 > 78 + 11 \dots 68 > 78 - 10$
 $61 > 49 + 12 \dots 39 > 49 - 10$

$76 > 63 + 13 \dots x > 63 - 10$ Ans : 53

13) (12,6),(15,5),(28,14),(9,3),(18, x) $12/2 = 6$
 $15/3 = 5$
 $28/2 = 14$

$9/3 = 3$ $18/2 = 9$ Ans : 9

14) 2,1,2,4,8,2,16,0.5,8,3/4, x $2 \times 1 = 2$
 $2 \times 4 = 8$
 $8 \times 2 = 16$

$16 \times 0.5 = 8$ $8 \times 3/4 = 6$ Ans : 6

15) (10,12,36),(7,5,15),(19,21, x) $10 + 2 = 12$
 $12 \times 3 = 36$
 $7 + 2 = 5$

$5 \times 3 = 15$ $19 + 2 = 21$ $21 \times 3 = 63$ Ans : 63

16) (5,1,2,8),(8,1,0,9),(9,2,3, x) $5+1+2=8$
 $8+1+0=9$
 $9 + 2 + 3 = 14$

Ans : 14

16) (63/4,16,26),(46/5,9,19),(194/3,65,75),(243/8, x, y) $63/4 = 16$ (approximately)
 $16 + 10 = 26$

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RAKESH (2YEARSAGO)

1) 3,6,9,12,15,18,21,?

next=(previous +3) => ? = 21+3 = 24

2) 1,3,4,5,13,2,3,4,22,1,2,3,? $1+3+4+5=13$ $13+2+3+4=22$ $22+1+2+3=28$

3) 0,1,1,2,0.5,2,2,4,2,2,4,3,7,2,? (0,1,1,2,0.5),(2,2,4,2,2),(4,3,7,2,?) $0+1=1$, $1/2 = 0.5$
 $2+2=4$, $4/2 = 2$

$4+3=7$, $7/2 = 3.5$

4) $1/2, 1/4, 3/4, 3/8, 7/8, 7/16, ?$
 $1/2, 3/4, 7/8, 15/16$ [$1, 3, 7, x \Rightarrow (2^{n-1})$] $1/4, 3/8, 7/16, 15/32$

5) 2,8,3,27,4,64,5,125,6,216,7,? $(2,2^3),(3,3^3),(4,4^3),(5,5^3),(6,6^3),(7,7^3) \Rightarrow ? = 7^3 = 343$

6) 2,3,10,15,26,35,50,? 1^2+1
 2^2+1
 3^2+1

4^2+1
 5^2+1
 6^2+1

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$$7^2 + 1$$
$$8^{21} \Rightarrow ? = 63$$

7) 8.2,3.9,12.1,6.2,4.4,10.6,4.2,4.9,9.1,2.2,5.4,? (8.2,3.9,12.1),(6.2,4.4,10.6),(4.2,4.9,9.1),(2.2,5.4,?)



$$46/5 = 9$$
$$9 + 10 = 19 \quad 194/3 = 65 \quad 65 + 10 = 75 \quad 233/8 = 30 \quad 30 + 10 = 40 \quad \text{Ans : } 30, 40$$

18) (7,14,4),(15,30,20),(21, x, y) $7 * 2 = 14$
 $14 + 10 = 4$
 $15 * 2 = 30$

$$30 + 10 = 20 \quad 21 * 2 = 42 \quad 42 + 10 = 52 \quad \text{Ans : } 42, 52$$

Is this solution Helpful? [Yes \(53\)](#) | [No \(2\)](#)

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$$8.2+3.9=12.1 \quad 6.2+4.4=10.6 \quad 4.2+4.9=9.1 \quad 2.2+5.4=7.6$$

8) 2,3,6,13,28,? $2^10=2 \quad 2^21=3 \quad 2^32=6 \quad 2^43=13 \quad 2^54=28 \quad 2^65=59$

9) 18,6,3,33,11,8,45,15,12,72,? (18,6,3),(33,11,8),(45,15,12),(72,x,y) $18/6=3 \quad 63=3$
 $33/11=3 \quad 113=8$

$$45/15=3, \quad 153=12 \quad 72/x=3 \Rightarrow x=24 \quad xy=3 \Rightarrow y=21$$

10) 1,1,3,9,11,121,? (1,1),(3,9),(11,121),? $1,1^2,1+2=3$
 $3,3^2,9+2=11 \quad 11,11^2,121+2=123$

11) 3,6,9,82,80,30,33,36,55,53,24,? (3,6,9),(82,80),(30,33,36),(55,53),(24,x,y) $33=6, \quad 63=9, \quad 82+2=80$
 $303=33, \quad 333=36, \quad 55+2=53$

$$243=x \Rightarrow x=27$$

12) 52,62,42,78,89,68,49,61,39,63,76,? (52,62,42),(78,89,68),(49,61,39),(63,76,x) $52+10=62, \quad 5210=42$
 $78+11=89, \quad 7810=68$

$$49+12=61, \quad 4910=39 \quad 63+13=76, \quad 6310=x \Rightarrow x=53$$

13) 12,6,15,5,28,14,9,3,18,? (12,6),(15,5),(28,14),(9,3),(18,x) $12/6=2, \quad 15/5=3$
 $28/14=2, \quad 9/3=3$

$$18/x=2 \Rightarrow x=9$$

14) 2,1,2,4,8,2,16,0.5,8,3/4,? (10,12,36),(7,5,15),(19,21,x) $10+2=12, \quad 12*3=36$
 $7+2=9, \quad 5*3=15$

$$19+2=21, \quad 21*3=x \Rightarrow x=63$$

15) 10,12,36,7,5,15,19,21,? (10,12,36),(7,5,15),(19,21,x) $10+2=12, \quad 12*(3)=36$
 $7+2=9, \quad 5*(3)=15$
 $19+2=21, \quad 21*(3)=x \Rightarrow x=63$

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16) 5,1,2,8,8,1,0,9,9,2,3,?
(5,1,2,8),(8,1,0,9),(9,2,3,x) $5+1+2=8$
 $8+1+0=9$
 $9+2+3=14 \Rightarrow x=14$

17) 15 3/4,16,26,9 1/5,9,19,64 2/3,65,75,243/8,?
(15 3/4,16,26),(9 1/5,9,19),(64 2/3,65,75),(24 3/8,x,y) in each group
2nd no. = roundoff(1st no.) 3rd no. = (2nd no. +10) $x=\text{roundoff}(24 \frac{3}{8})=24$
 $y=24+10=34$

18) 7,14,4,15,30,20,21,? (7,14,4),(15,30,20),(21,x,y) $7*(2)=14$, $14+10=24$ $15*(2)=30$, $30+10=40$ $21*(2)=42$ $x \Rightarrow x=42$

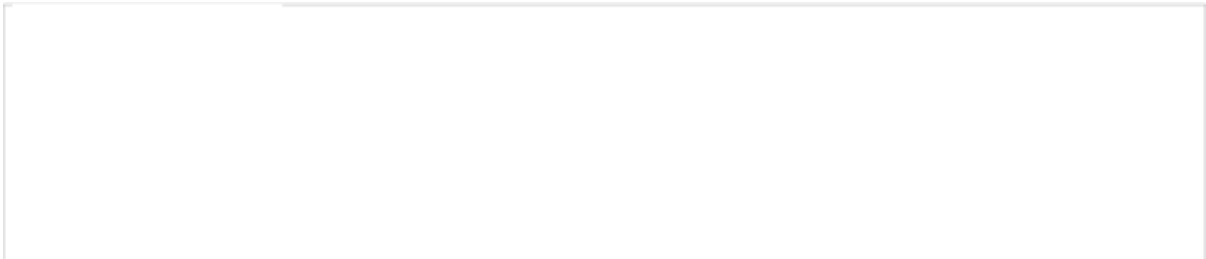
$x+10=y \Rightarrow y=52$

Is this solution Helpful? [Yes \(20\)](#) | [No \(1\)](#)

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MD SOHAIL AKHTER (2 YEARS AGO)



4) $\frac{1}{2} + \frac{1}{4} = \frac{3}{4}$ $\frac{1}{2} * \frac{3}{4} = \frac{3}{8}$ $\frac{1}{2} + \frac{3}{8} = \frac{7}{8}$ $\frac{1}{2} * \frac{7}{8} = \frac{7}{16}$ $\frac{1}{2} + \frac{7}{16} = \frac{15}{16}$ $\frac{1}{2} * \frac{15}{16} = \frac{15}{32}$

ans is (15/16,15/32)

RAKESH (2YEARSAGO)

14) 2,1,2,4,8,2,16,0.5,8,3/4,? $2*1=2$
 $2*4=8$
 $8*2=16$

$16*(0.5)=8$ $8*(3/4)=6$

IFFATH SHAHEEN (2 YEARS AGO)
have u appeared for Asosiate system engineer?

MD SOHAIL AKHTER (2 YEARS AGO)

2)ans is 28
add sequentially 4 no. i.e. $(1+3+4+5)=13$ $(13+2+3+4)=22$
 $(22+1+2+3)=28$

MD SOHAIL AKHTER (2 YEARS AGO)

9)(18,6,3),(33,11,8),(45,15,12),(72, x, y) $18/3 = 6$
 $63=3$
 $33/3 = 11$

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11 $3 = 8$ similarly, $72/3 = 24$ $24 \cdot 3 = 21$

DEEPIKA KV (2 YEARS AGO)

4) $1/2, 1/4, 3/4, 3/8, 7/8, 7/16, ?$

$1/2 \ 1/4 \ 3/4 \ 3/8 \ 7/8 \ 7/16$

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

Is this solution Helpful? [Yes \(3\)](#) | [No \(1\)](#)

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

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

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



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Given the Numerator is 1,3,7. See the difference, its multiples of 2. $13=2, 37=4$, so next is $71=6$so next series in numerator is 1 Denominator is multiple of 2...i e. $1*2=2, 2*2=4, 4*2=8, 8*2=16, 16*2=32$ and so on..... ANS is==> $1/16, 1/32$

TEJA (2 YEARS AGO)

3). $1/2, (1/2)*(1/2), 3/4, (3/4)*(1/2), 7/8, (7/8)*(1/2)$ $1/23/4=1/4$
 $3/47/8=1/8$
 $7/8x=1/16$ then $x=15/16$

next term $15/16, 15/32$ etc..

ANJALI (2YEARSAGO)

2) 1,3,4,5,13,2,3,4,22,1,2,3,? ans:28
 $3+4+5=12$ so $1+12=13$ $2+3+4=9$ so $13+9=22$ $1+2+3=6$ so $22+6=28$ (ans)

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

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

SHASHWATACHAKRABORTI (1YEARAGO)

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

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MD SOHAIL AKHTER (2 YEARS AGO) 2,3,10,15,26,35,50

32=1
103=7
1510=5
2615=11
3526=9
5035=15
x50=13 (since there is difference of 4 alternately)

x=63(ans)



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

🔖 (#M40034698) IBM QUESTION number series KEEP AN EYE

What is the next number of the following sequence 1)5 6 3 78 3 9 10
2)6 12 6 13 7 12 7 13 8
3)16 21 25 28

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4) 20 25 26 22 29 30 24
5) 13 17 29 14 18 28 15 19

Asked In [IBM](#)
Solved [mohan lal garg](#)
Is this Puzzle helpful? Yes (50)

No (10)

[himabindu](#) (2 years ago) [Read Solution \(25\)](#)

[Submit Your Solution](#) Number Series

[MOHAN LAL GARG](#) (2 YEARS AGO)

1) 3 is insert after every 2 term series 5,6,7,8,9,10
after insert 3 5,6,3,7,8,3,9,10,3,11,12..... so ans is 3

2) series is (6 12 6)13(7 12 7)13 (8 12 8) so next term is 12

3) difference is decrease $16+5=21$
 $21+4=25$
 $25+3=28$

$28+2=30$
so next term is 30

4) break IN 3 SERIES 20,22,24,26 25,29,33,37 26,30,34,38 COMBINE ALL

20 25 26 22 29 30 24 33 34..... ANS 33

5) 13,14,15,16,17,18... 17,18,19,20,21.. 29,28,27,26... COMBINE ALL 3 SERIES



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2, 3, 6, 13, 28, ?
the diff betwn neghbr digit are 1, 3, 7, 15, the pattern is $1*2+1=3$, $3*2+1=7$, $7*2+1=15$ next will be $15*2+1=31$ so 31 will be added to 28 ,
 $28+31=59$
59 will be the answer

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

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JANAKI

(2 YEARS AGO)

2) 12 8 13

3) Ans: 30

$16+5=21$ $21+4=25$ $25+3=28$ $28+2=30$

4) Ans: 33, 34 (20, 25, 26) (22, 29, 30) (24, ?, ?) $20+2=22$
 $25+4=29$
 $26+4=30$

$22+2=24$ $29+4=33$ $30+4=34$

5) Ans: 27

(13, 17, 29) (14, 18, 28) (15, 19, 27) 13, 14, 15
17, 18, 19
29, 28, 27

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RAMESH KUMAR (2 YEARS AGO)

1. Combine the consecutive 3 nos as following
(5,6,3) (7,8,3) (9,10,x)
observe that 3 comes after every two nos in each group. so, the value of x is 3.

2. Combine 2 nos in a group as
(6,12), (6,13), (7,12), (7,13) , (8,x)
Observe that , first no of each group is repeating two times .
second no of each group increments by 1 in alternate group and then it comes to its own value .
eg case of first no of each group
6,6,7,7,8
case of second no of each group
12,13,12,13,x
so, the value of x will be 12 as 12 is increases by 1 in next group and then it comes to its own value in the coming group.

3. 16,21,25,28,x
calculate the difference between two consecutive no, you will get
5,4,3
you are observing that the value (5,4,3) is decreasing by 1 , then the next decreased value is 2. now add the value of 2 in 28, you will get 30.
the ans will be 30.

4. 20,25,26,22,29,30,24
Combine the three consecutive number in a group as following (20,25,26), (22,29,30),(24,x)
in every group the first no is incremented by 2.
in every group the second no is incremented by 4.
so, the second number of each group is
(25,29,33).
so, the answer is 33.

5. 13,17,29,14,18,28,15,19
combine every 3 consecutive no in a group as (13,17,29) , (14,18,28) , (15,19,x)
observe , 3rd no of each group is decreasing by 1 29-1=28
28-1=27
so, the answer is 27.

Is this solution Helpful? [Yes \(14\)](#) | [No \(1\)](#)

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HIMABINDU (2YEARSAGO)

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

3 17 29 14 18 28 15 19,27,16.... ANS IS 27.....
THANK YOU

Is this solution Helpful? [Yes \(60\)](#) | [No](#)

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GAURAVDHARDWIEDI (2YEARSAGO)

1.3 2.12 3.30 4.33,34 5.27

DINESH KUMAR KK (2 YEARS AGO)

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1.group
(5,6,3)
(7,8,3)
(9,10,x) ans:3 2.group(6,12),(6,13) (7,12),(7,13) (8,12),(8,13)

ans is 12
3. $16+5=21+4=25+3=28+2=30$ ans=30
4.group
(20,25,26)
(22,29,30)
(24,x,y) 1st column inc by 2 ,2nd &3rd inc by 4 ans=33,34 5.group
(13,17,29)
(14,18,28)
(15,19,x) 1st&2nd column inc by 1,3rd dec by 1
ans=27

ASHWINI KUMAR SINGH (2 YEARS AGO)

1) $2*5*6+6*3=78$ so $2*3*9+9*10=144$ 2)12
3)30
4)33,34

5)27 as $13+1=14, 17+1=18, 29+1=30$ so $14+1=15, 18+1=19$ and $30+1=31$

SIDDHARTH KUMAR (2 YEARS AGO)

1)5,6,3(group of three) 7,8,3
9,10,3
2)6,12,6,13

7,12,7,13 8,12 3) $16+5=21, 21+4=25, 25+3=28, 28+2=30$

TEJASWINI (2YEARSAGO)

2.12 3.30 4.33 5.27

SRUTHI S KUMAR (1 YEAR AGO)

1)3
because 3 is repeated every times after 2 digits 2)12
3)30
because $16+5=21$
 $21+4=25$
 $25+3=28$

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

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

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

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

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

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1)3 2)12 3)31 4)33 5)27

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

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SHAIK YAKUB (2 YEARS AGO)

1)5 6 3 7 8 9 10 3 2)12
3)32
4)27

SAILAJA (2 YEARS AGO)

2) 6,12,6,13,7,12,7,13,8 clearly
(6,12)(6,13) (7,12)(7,13)

(8,x) (8,x)
every series first digit is increased by 1 and 2nd digit is commonly entered 12, 13. the ans is 12, 8, 13

SRUTHI TERALA (2 YEARS AGO)

1)3 2)8 3)26 4)31 5)27

P KEDARNARAYANA ACHARY (2 YEARS AGO)

1)3 2)12 3)30 4)33 5)27

BIDURO (2YEARSAGO)

1) (5,6,) 3, (7,8),3,(9,10)

3,(11,12)

AJITKUMARSINGH (2YEARSAGO) 1.Ans(5,6)3(7,8)3(9,10) so next is 3

DHANANJAY (2YEARSAGO) hhhhhhhhhhhhhhhhhhhhhhhhh

KUMKUMSARGAIYAN (2YEARSAGO)

2) 12 8 13 3) 30
4) 33 34 5) 27

AMAN KUMAR (2 YEARS AGO) 1. $(6*35)*6 = 78$

$(9*103)*9 = 783$

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

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

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

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

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

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

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



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BVLAKSHMI (2YEARSAGO)

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

$28+2=30$

4)33

5)27 as actually it must be placed after 17 but it is replaced after 19

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

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VIDHU (2YEARSAGO)

3) 31

20 $20+5=25$ $25+1=26$ $26+2=28$ $28+7=35$ $35+1=36$ $36=24$ $24+9=33$

DIVYA HAASA (2 YEARS AGO) 1)3

5,6,3.... 7,8,3.... 9,10,3

DIVYA HAASA (2 YEARS AGO) 5)13,17,29,14,18,28,15,19,27,16,20

SHIVAM SALUJA (2 YEARS AGO)

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1)

2. 2) 12
3. 3) 30
4. 4) 33
5. 5) 27

MOHAN (2YEARSAGO)

13 17 29 14 18 28 15 19 Ans:
13 17 29
14 18 28

15 19 27 Ans:27

Is this solution Helpful? [Yes](#) | [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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🔖 (#M40034659) IBM QUESTION distance KEEP AN EYE

You go North, turn right, then right again and then go to the left. In which direction are you now? A North
B South
C East



D West
E None of these

Asked In [IBM](#)
Solved [Divya Sudha](#)
Is this Puzzle helpful? Yes (23)

No (2)

[saran](#) (2 years ago) [Read Solution](#) (26)

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[△ Submit Your Solution](#) Geometry

2) 6 12 6 13 7 12 7 13
8 12 8 13 so ans:12

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

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MOHIT GUPTA (2 YEARS AGO)

let total no of mangoes is $2x$.. then we profit=spcp $160=13*2x(12x+10x)$ $160=4x$

$x=40$
hence $2x=80$
so total no are 80dozens

PRANEETHREDDY (2YEARSAGO)

80 dozens
by option verification divide 80 dz in to 40 40
first 40 is sold for rs12 so $40*12=480$
second 40 dozens is sold for rs 10 per kg= $40*10=400$ $480+400=880$
80 dozens sold for rs13 by men so $80*13=1040$
so now subtract $1040-880=160$
so profit is 160

DHARANICHERUKUMALLI (2YEARSAGO)

$(12*12=144, 10*12=120, 144+120=264)$ therefore here each dozen= $264/24=11$ new price 13 therefore $13*11=2rs$
1dozen =====>2rs
? =====> 160rs

therefore no of mangos for 160 ra gain is $(160/2)*1=80$ dozens

DIVYA SIDDULA (2 YEARS AGO)

$40(12)+40(10)=880$
 $80(13)=1040$
since here the gain is 160
the answer should be "c" i.e 80 dozens

NAGMANI (1YEARAGO)

avg of both 11
then $13*11=2$
total mangoes is $160/2=80$

SAMBITKUMARGHOSH (2YEARSAGO)

Guys in the question there should be 'same number of at 10rs per kg'.....then it will be 80 dozens...okay !!!

Is this solution Helpful? [Yes \(32\)](#) | [No \(5\)](#)

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

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

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

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

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VINITKUMARCHATURVEDI (2YEARSAGO)

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

(#M40034654) IBM QUESTION KEEP AN EYE

Solve this question

A man bought some mangoes at Rs12 per dozen and bought the same number of at Rs 10 per kg. He sold these mangoes at Rs 13 per dozen and gained Rs 160. The total number of mangos bought by him are



Option

A. 60 dozens B. 70 dozens C. 80 dozens D. 90 dozens

Asked In [IBM](#)

Solved [praneeth reddy](#)

Is this Puzzle helpful? [Yes \(15\)](#)

[No \(7\)](#)

[Aashu](#) (2 years ago) [Read Solution \(11\)](#)

[Submit Your Solution](#) Profit and Loss

http://www.m4maths.com/placement-puzzles.php?ISSOLVED=Y&page=4&LPP=10&SOURCE=IBM&MYPUZZLE=&UID=&TOPIC=&SUB_TOPIC=20/22

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JANAHI (2 YEARS AGO)

Answer is 80 dozens

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MANAB (2YEARSAGO)

it should not be in kg...qstn is partially wrong...

MAHALAKSHMI CHUKKA (2 YEARS AGO)

fvjf hsdddddddddddddddddddddd

TAHAR (4 MONTHS AGO)

How Many mangos in 1 kilo? Otherwise the question is wrong!

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

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

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

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

🔖 (#M40034607) IBM QUESTION KEEP AN EYE

What is the next number of the following sequence. 8, 8, 6, 2,.... ?

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Asked In [IBM](#)

[Solved](#) [Ann Theresa](#)

Is this Puzzle helpful? [Yes \(8\)](#)

[No \(6\)](#)

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

[Submit Your Solution](#) Number System

[ANN THERESSA](#) (2 YEARS AGO) 4

$8(2*0) = 8$ $8(2*1) = 6$ $6(2*2) = 2$ $2(2*3) = 4$

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

$80=8$ $82=6$ $64=2$ $26=4$

[NEHAGANGWAL](#) (2YEARSAGO)

4 $88=0$ $82=6$ $64=2$ $26=4$

[SWETHA.GUNDA](#) (2 YEARS AGO)

i think itz +4 bcz once observe the alternate sequence 82,62.....

[PRADIP VADARALE](#) (2 YEARS AGO)

now $80=8$ $82=6$ $64=2$

Is this solution Helpful? [Yes \(38\)](#) | [No \(5\)](#)

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

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

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

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it should be dozen not kg

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

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KANKANAGHOSH (2YEARSAGO)

in this case the ans is +4 i.e if we observe the alternate series then the next term comes as +4, $82=6$

$62=4$

Keep an EYE (0) Solved Question (162)

Pages:17 First Prev 1 2 3 4 5 6 7 8 9 Next Last 0 Comments m4maths


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


[IBM Interview Experience \(27\)](#) [UnSolved Question \(1480\)](#)

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

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$26=4$
so answer is 4

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



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