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🔖 (#M40034601) IBM QUESTION NUMBER SERIES KEEP AN EYE

What is the next number of the following sequence $21\frac{1}{5}$, $7\frac{2}{3}$, 2, $23\frac{1}{5}$, $8\frac{2}{3}$, 4, $25\frac{1}{5}$,



Asked In IBM

Solved RAKESH

Is this Puzzle helpful?

Yes (4)

No (0)

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

[Submit Your Solution](#) Number Series

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RAKESH (2YEARSAGO) $21(1/5), 7(2/3), 2, 23(1/5), 8(2/3), 4, 25(1/5), x, y$

$[21(1/5), 7(2/3), 2], [23(1/5), 8(2/3), 4], [25(1/5), x, y]$

$21(1/5), 7(2/3), 2, 23(1/5), 8(2/3), 4, 25(1/5), x, y$

$x = 9(2/3) \quad y = 6$

LOGANAYAGI (2YEARSAGO)

Group the number sequence as follows: $21(1/5), 7(2/3), 2$
 $23(1/5), 8(2/3), 4$

so the next group will be $25(1/5), 9(2/3), 6$

so $9(2/3)$ is the answer

SRIJA (2 YEARS AGO)

Is this solution Helpful? [Yes \(31\)](#) | [No \(2\)](#)

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



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ans:6
given series can be divided as follows...
21(1/5) , 7(2/3) , 2
next odd number of 21 is 23, next num of 7 is 8,next multiple of 2 is 4 23(1/5) , 8(2/3) , 4
next series will be
25(1/5) , 9(2/3) ,6

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

http://www.m4maths.com/placement-puzzles.php?ISSOLVED=Y&page=5&LPP=10&SOURCE=IBM&MYPUZZLE=&UID=&TOPIC=&SUB_TOPIC=1/18

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RAKESH (2YEARSAGO) 32,29,26,64,61,58,96,93,93

(32,29,26),(64,61,58),(96,93,93),(x,x3,x6)

323=29,293=26 643=61,613=58 963=93,933=60

take 1st term of each group 32,64,96,x
32*1=32
32*2=64

32*3=96 32*4=x => 128

next three numbers= (x,x3,x6)= (128,125,122)

SAIKAT GUIN (2 YEARS AGO)

There is a misprint in the series. It should be: 32, 29,26, 64,61,58, 96,93,90, ?,?,?
now,
[32,29,26], [64,61,58], [96,93,90]

the series is [32, 323, 326], [32*2=64, 643, 646], [32*3=96, 963, 966] next will be: [32*4=128, 1283,1286]
so, 128,125,123...

Is this solution Helpful? [Yes \(25\)](#) | [No \(2\)](#)

Is this solution Helpful? [Yes \(10\)](#) | [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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DHARANICHERUKUMALLI (2YEARSAGO) 128

$32*2=64$, $32*3=96$, $32*4=128$

POOJA (2 YEARS AGO)

128 $32+29=61$; $32+26=58$;so on $32+96=128$

JANAKI

(2 YEARS AGO)

ans is 87
 $32, 26, 61, 96, 93$ one series $29, 64, 58, 93, ?$ other series $64 \div 29 = 35$
 $64 \div 58 = 6$
 $93 \div 58 = 35$
 $93 \div 87 = 6$

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RIYANKA DUTA (2 YEARS AGO)

ans is $96+32=128$ and the last 93 should be 90

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🔖 (#M40034600) IBM QUESTION NUMBER SERIES KEEP AN EYE

Q. What is the next number of the following sequence 32, 29, 26, 64, 61, 58, 96, 93, 93, ...

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

Yes (7)

No (4)

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

[Submit Your Solution](#) Sequence and Series

http://www.m4maths.com/placement-puzzles.php?ISSOLVED=Y&page=5&LPP=10&SOURCE=IBM&MYPUZZLE=&UID=&TOPIC=&SUB_TOPIC=2/18

1/11/2017 IBM Placement Papers with Solution : Solved Question Page 5

[RAKESH](#) (2YEARSAGO) $3^2, 27, 3^4, 243, x$



[JANAKI](#)

$3^2, 3^3, 3^4, 3^5, 3^6$ $x = 3^6$

(2 YEARS AGO)

ans is: $3^6, 2187$

Is this solution Helpful? [Yes \(17\)](#) | [No](#)

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

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

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

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

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

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

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

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

DINESH KUMAR KK (2 YEARS AGO) $3^2, 3^3, 3^4, 3^5, 3^6$

ans: 729

HARITADARA (2 YEARS AGO) $3^2, 27(3^3), 3^4, 243(3^5), x$

$x = 3^6$

MANISHA (2 YEARS AGO)
it can 3^6 or 3^8

DHARANICHERUKUMALLI (2YEARSAGO) $3^2, 3^3 = 27, 3^4, 3^5 = 243, 3^6 = > 729$

GUNDEPALLITEJANAGAMUTYAVATHI (2YEARSAGO)

$3^2 = 9$ $3^3 = 27$ $3^4 = 81$ $3^5 = 243$ $3^6 = 729$

SHIKHA SACHAN (2 YEARS AGO) $3^2, 3^3, 3^4, 3^5, 3^6$

PAYAL SINGH (2 YEARS AGO) $3^2, 3^3 = 27, 3^4, 3^5 = 243, 3^6 = > 729$

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🔖 (#M40034599) IBM QUESTION NUMBER SERIES KEEP AN EYE

Q. What is the next number of the following sequence $3^2, 27, 3^4, 243$



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

Yes (5)

No (0)

Deepika KV (2 years ago) [Read Solution \(9\)](#)

[Submit Your Solution](#) Number Series

(#M40034598) IBM QUESTION NUMBER SERIES KEEP AN EYE

Q. What is the next number of the following sequence 4608,2304,578,288,72



Asked In **IBM** **Deepika KV** (2 years ago)

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VIRENDRADUBEY (2YEARSAGO)

the que series typed is wrong .
actual series is.4608,2304,576,288,72,x,y
the term are alternately divided by 2 and 4.
 $4608/2=2304$;
 $2304/4=576$;
 $576/2=288$;
 $288/4=72$;
so $x=72/2=36$; and $y=36/4=9$ the next two term is 36 and 9.

DINESH KUMAR KK (2 YEARS AGO)

the series like this 4608,2304,576,288,72,x $4608/8=576$;; $2304/8=288$, $576/8=72$, $288/8=36$, $72/8=9$ ans is 36,9

SAIKAT GUIN (2 YEARS AGO)

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misprint: should be 4608,2304,576,288,72 $4608/2=2304$
 $2304/4=576$
 $576/2=288$

$288/4=72$ $72/2=36$ $36/4=9$

DINESH KUMAR KK (2 YEARS AGO)

the series is 4608,2304,576,288,72,x $4608/8=576$, $2304/8=288$, $576/8=72$ ans:72

MANISHA (2 YEARS AGO)

next two no will be $72/2=36$ and $36/4=9$

DHARANICHERUKUMALLI (2YEARSAGO)

36 altenatively divide by 2 and then 3 therefore finally $72/2=>36$

JANAKI (2 YEARS AGO) answer is 36

PRATHYUSHA (2 YEARS AGO)

given series,4608,2304,578,288,72 $(4608/2)+0=2304$ $(2304/4)+2=578$ $(578/2)+(1)=288$

$(288/4)+0=72$ $(72/2)+2=38$ $(38/4)+(1)=.....$

Is this solution Helpful? [Yes \(21\)](#) | [No \(1\)](#)

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

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

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

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

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

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

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

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Solved virendra dubey ☐ Read Solution (8) Is this Puzzle helpful? Yes (8) No (6)

[△ Submit Your Solution](#) Number Series

 (#M40034596) IBM QUESTION NUMBER SERIES KEEP AN EYE

What is the next number of the following sequence 3.4, 9.3, 4, 9.8, 4.6, 10.3, 5.2, 10.8,

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Asked In **IBM** **Deepika KV** (2 years ago)

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1/11/2017 IBM Placement Papers with Solution : Solved Question Page 5

RAKESH (2YEARSAGO) 3.4,9.3,4,9.8,4.6,10.3,5.2,10.8,x,y

two series are there 3.4,4,4.6,5.2,x (+0.6) 9.3,9.8,10.3,10.8,y (+0.5)

1st series is increasing by +0.6 & 2nd series by +0.5

$$x = 5.2 + 0.6 = 5.8 \quad y = 10.8 + 0.5 = 11.3$$

SOWJANYA (2 YEARS AGO)

divide like this
(3.4,4,4.6,5.2) (9.3,9.8,10.3,10.8) $3.4 + 0.6 = 4$
 $4 + 0.6 = 4.6$
 $4.6 + 0.6 = 5.2$
 $5.2 + 0.6 = 5.8$

$$9.3 + 0.5 = 9.8 \quad 9.8 + 0.5 = 10.3 \quad 10.3 + 0.5 = 10.8 \quad 10.8 + 0.5 = 11.3$$

so next numbers are 5.8,11.3

POOJA (2 YEARS AGO)
5.8 is the answer

AKASH MUKHERJEE (4 MONTHS AGO)

$$3.4 + .6, 4 + .6, 4.6 + .6 \quad 9.3 + .5, 9.8 + .5, 10.3 + .5, 10.8 + .5 \quad \text{Ans } 11.3$$

SHREYASHEEGHOSH (2YEARSAGO) 5.8,11.3,6.4

HARITADARA (2 YEARS AGO)

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Is this solution Helpfull? Yes (24) | No



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JANAKI

3.4,9.3,4,9.8,4.6,10.3,5.2,10.8,x,y 3.4,4,4.6,5.2,x (+0.6) 9.3,9.8,10.3,10.8,y (+0.5)

$x = 5.2 + 0.6 = 5.8$ $y = 10.8 + 0.5 = 11.3$

(2 YEARS AGO)

Ans:5.8 3.4+0.6=4 4+0.6=4.6 4.6+6=5.2 5.2+6=5.8

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

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

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](#)

RAHUL (2YEARSAGO) (3.4),9.3,(3.4+.6),9.8,(4+.6),10.3,(4.6+.6),10.8,(5.2+.6=5.8)

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

Solved [RAKESH](#) ☐ [Read Solution \(8\)](#) Is this Puzzle helpful? [Yes \(9\)](#) [No \(2\)](#)

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RAKESH (2YEARSAGO) 60,15,108,27,156,39

$(60,15), (108,27), (156,39), (x, x/4)$ $60/15 = 108/27 = 156/39 = 4$

1st term of each pair $60,108,156, x$ $12*5=60$ $12*9=108$ $12*13=156$

$12*17 = 204$

next two term = $(x, x/4) = 204, 204/4$ ans: 204,51

VANI SK (2 YEARS AGO)

in this series $(60,108,156)(15,27,39)$ $60+48=108$ $108+48=156$ $156+48=204$

and $15+12=27$ $27+12=39$ $39+12=51$ ans=204,51

BINI (2YEARSAGO)

$(60\ 15) = 15*4=60$ $(108\ 27)=27*4=108$ $(156\ 39)=39*4=156$ now lets c...

$(60\ 108\ 156)$ $108-60=48$ $156-108=48$
therefore $156+48=204$ answer=204

MANISHA (2 YEARS AGO)

$39+12=51$

$51*4=204$

so next no are 204 & 51

NEHAGANGWAL (2YEARSAGO) ans204

$15*4=60$ $27*4=108$ $39*4=156$

now $15/3=5$ $27/3=9$ $39/3=13$

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



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

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

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


🔖 (#M40034592) IBM QUESTION NUMBER SERIES KEEP AN EYE

Q. What is the next number of the following sequence 60, 15, 108, 27, 156, 39,

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

Yes (5)

No (3)

[Deepika KV](#) (2 years ago) [Read Solution \(7\)](#)

[Submit Your Solution](#) Number System

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[YONESH](#) (2YEARSAGO)

$60+48=108$ $108/4=27$ $108+48=156$ $156/4=39$ $156+48=204$ $204/4=51$

so ans:204,51

[VIKASH](#) (2YEARSAGO) $156+48=204$

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

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

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🔖 (#M40034589) IBM QUESTION Number Series KEEP AN EYE

Q. What is the next number of the following sequence 4,3,8,7,14,13,22,21



Asked In IBM

Solved RAKESH

Is this Puzzle helpful?

Yes (12)

No (7)

Deepika KV (2 years ago) [Read Solution \(4\)](#)

[Submit Your Solution](#) Number Series

RAKESH (2YEARSAGO) 4,3,8,7,14,13,22,21

(4,3),(8,7),(14,13),(22,21),(x, x1)

1st term of each pair 4,8,14,22,x

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$4+4=8$
 $8+6=14$
 $14+8=22$ $22+10=x \Rightarrow x=32$

next two terms (x, x1) = 32,31

YONESH (2YEARSAGO)

ans 32 $4+4=8$ $8+6=14$ $14+8=22$ $22+10=32$

MANISHA (2 YEARS AGO)

$4+4=8$
 $8+6=14$
 $14+8=22$
 $22+10=32$
so the next no are 32& 31

HARISH (13DAYSAGO)

$4 + 4 = 8$
 $8 + 6 = 14$ $14 + 8 = 22$ $22 + 10 = 32$ Ans:32

Is this solution Helpful? [Yes \(38\)](#) | [No \(3\)](#)

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

Is this solution Helpful? [Yes \(5\)](#) | [No \(2\)](#)



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so next no after 5,9,13=17 $17*3=51$
 $51*4=204$

ans 204,51

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

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🔖 (#M40034505) IBM QUESTION SEQUENCE AND SERIES KEEP AN EYE

What is the next number of the following sequence? 1,11,21,1211,111221...?



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

Yes (21)

No (2)

[Sayak Banerjee](#) (2 years ago) [Read Solution](#) (11)

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RAMKIRAN (2YEARSAGO)

1 is read off as "one 1" or 11.
11 is read off as "two 1s" or 21.
21 is read off as "one 2, then one 1" or 1211.
1211 is read off as "one 1, then one 2, then two 1s" or 111221. 111221 is read off as "three 1s, then two 2s, then one 1" or 312211.

BHAVYA (2 YEARS AGO)

The next no. simply tells how many times a digit is appearing in the previous number. For eg. 1, then here we have a single 1. So, the next number in the sequence is 11. now, 11 has two 1's. so, next in sequence is 21. Similarly, after 111221 we'll get 312211

MADHU (2YEARSAGO)

Interestingly.. this series is forming fibonacci series also.. $1 + (1+1) = 3 = (2+1)$
 $(2+1) + (1+1) = 5 = (1+2+1+1)$
 $(1+2+1+1) + (2+1) = 8 = (1+1+1+2+2+1)$

PRERNA (2 YEARS AGO)

1,11,21,1211,111221...? next number will be 312211

SRINIVASDODDI (2YEARSAGO) Whoa..!

It is the best series i came across...

SANHITARROY (2YEARSAGO)

Ans312211
(Three 1,Two 2,one 1)
The series is going on like1,11 (one 1),21(two 1),1211(one 2, one 1),111221(one 1,one 2,two 1)

ROJALIN BHUTIA (1 YEAR AGO)

aaaiiiyyooooo.....mazedaar!!!! kash sara ques esa hota

MANOJ BAISOYA (1 YEAR AGO)

1 is read off as "one 1" or 11.
11 is read off as "two 1s" or 21.
21 is read off as "one 2, then one 1" or 1211.

Is this solution Helpful? [Yes \(72\)](#) | [No \(1\)](#)

Is this solution Helpful? [Yes \(9\)](#) | [No \(1\)](#)

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

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

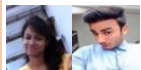
Is this solution Helpful? [Yes \(2\)](#) | [No](#)

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

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

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for next value $3+4=7$ $7+6=13$ $13+8=21$ $21+10=31$

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

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1/11/2017 IBM Placement Papers with Solution : Solved Question Page 5

SURIT DATTA (2 YEARS AGO) 312211 is the answer

SIMRANTRIVEDI (1YEARAGO) awsum series....

MADHAVI (1 YEAR AGO)
wow !what a series.....

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

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

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



 (#M40034503) **IBM QUESTION** profit&loss KEEP AN EYE

A manufacture of printer toner adjusts its price of color toner from \$33 to \$35 a cartridge and the price of standard black ink toner from \$29 to \$30 a cartridge if a document printing center spends an average of \$1555 a month for toner of which $\frac{3}{5}$ is for color cartridges how much more per month will the printing center spent?

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Asked In [IBM](#)

Solved [Ann Theresa](#)

Is this Puzzle helpful? Yes (3)

No (4)

[Reshma](#) (2 years ago) ☐ [Read Solution](#) (6)

[Submit Your Solution](#) Averages

[SUDHEER](#) (2 YEARS AGO) Rs 77.993

Total money spend per month = 1555
Money spend on color toner cartridges = $3/5 \times 1555$
= 933
Money spend on black ink toner cartridges = $2/5 \times 1555$ = 622

Number of color toned cartridges bought = $933/33$ Number of black ink toned cartridges bought = $622/29$

New price of color toned cartridges bought = $933/33 \times 35$ New price of black ink toned cartridges bought = $622/29 \times 30$

Total price = 1632.993
Additional money spend = Rs77.993

[ANN THERESSA](#) (2 YEARS AGO) Rs 89.377

Total money spend per month = 1555
Money spend on color toner cartridges = $3/5 \times 1555$
= 933
Money spend on black ink toner cartridges = $2/5 \times 1555$ = 633

Number of color toned cartridges bought = $933/33$ Number of black ink toned cartridges bought = $633/29$

New price of color toned cartridges bought = $933/33 \times 35$ New price of black ink toned cartridges bought = $633/29 \times 30$

Total price = 1644.377
Additional money spend = Rs89.377

Is this solution Helpful? Yes (32) | No (1)

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SUDHEER (2 YEARS AGO)

Is this solution Helpful? [Yes \(14\)](#) | [No \(23\)](#)

1211 is read off as "one 1, then one 2, then two 1s" or 111221. 111221 is read off as "three 1s, then two 2s, then one 1" or 312211.

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

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DEEPIKA KV (2 YEARS AGO)

ANN Therassa : $2/5 * 1555 = 622$.. its not 633.... Answer will differ

SOWJANYA (2 YEARS AGO) please explain clearly

DEEPIKA KV (2 YEARS AGO)

` which is the correct answer

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

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

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



 (#M40034494) **IBM QUESTION** Recent test questions KEEP AN EYE

What is the next number of the following sequence 1) 0.03, 0.0018, 0.00108, 0.00648, 0.3888,?

2) 1, 2, 2, 4, 8, 1, 8, 1/2, 4, 1, 4, 4,?

3) 2, 7, 35, 7, 12, 60, 5, 10, 50,?

4) 4, 11, 66, 74, 370, 379,?

5) 6, 18, 21, 8, 11, 33, 2, 6, 9, 5, 8, 24, 7, 21,?

6) 3, 4.5, 7, 4, 6, 8.5, 5, 7.5, ?

7) 13, 24, 36, 23, 34, 56, 33, 44, 96, 43, 54,?

8) 40, 39, 37, 33, 26, 15,?

9) 7.2, 2.2, 3.2, 16, 11, 12, 60, 55, 56,?

10) 8, 6, 22, 26, 54, 58, 86, 90, ?

11) 1, 3, 1, 2.5, 5, 1,, 4, 5, 4, 8, 7,?

12) 1, 3, 3, 2, 8, 10, 3, 4, 12, 4, 8,?

13) 3/2, 9/4, 9/4, 7/2, 49/4, 49/4, 4/3, 16/9, 16/9, 8/3, ?

14) 5, 16, 22, 68, 28, 87, 34, 106, 11, ?

15) 1, 1, 3, 2, 1, 5, 3, 4, 10, 4, 2, ?

16) 9/8, 4/3, 17/8, 10/3, 7/3, 42/8, 10/3, 29/4, 13/3, 7/2, 16/3,?

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

Yes (26)

No (6)

[Deepika Maurya](#) (2 years ago) [Read Solution \(29\)](#)

[Submit Your Solution](#) Sequence and Series

[SARASWATHY](#) (2YEARSAGO)

4) 4, 11, 66, 74, 370, 379, x

$4 + 7 = 11 \dots 11 * 6 = 66$
 $66 + 8 = 74 \dots 74 * 5 = 370$
 $370 + 9 = 379 \dots 379 * 4 = 1516$



small correction need in answer.... $2/5 * 155 = 622$

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

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Ans : 1516

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5) (6, 18, 21), (8, 11, 33) (2, 6, 9) (5, 8, 24) (7, 21, x) $6 \times 3 = 18$
 $18 + 3 = 21$
 $8 + 3 = 11$

$11 \times 3 = 33$ $2 \times 3 = 6$ $6 + 3 = 9$ $5 + 3 = 8$
 $8 \times 3 = 24$ $7 \times 3 = 21$ $21 + 3 = 24$

Ans : 24

6) (3, 4.5, 7), (4, 6, 8.5), (5, 7.5, x) subtract 3rd digit 1st digit in each group

$7 - 3 = 4$
 $8.5 - 4 = 4.5$
x 5 should be $5 \times 5 = 25$
x = 10

Ans : 10

7) (13, 24, 36), (23, 34, 56), (33, 44, 96), (43, 54, x)

$56 - 36 = 20$
 $96 - 56 = 40$
x 96 should be $60 \times 96 = 60$
x = 156

Ans : 156
9) (7.2, 2.2, 3.2), (16, 11, 12), (60, 55, 56), x
Multiple by "5" with 3rd number in each group, u ll get 1st number

$3.2 \times 5 = 16$ $12 \times 5 = 60$ $56 \times 5 = 280$

Ans : 280

11) (1, 3, 1, 2.5), (5, 1, 4, 5), (4, 8, 7, x)

$1 + 3 + 1 = 5 > 5/2 = 2.5$ $5 + 1 + 4 = 10 > 10/2 = 5$
 $4 + 8 + 7 = 19 > 19/2 = 9.5$

Ans : 9.5
12) (1, 3, 3) (2, 8, 10) (3, 4, 12) (4, 8 ,x)

$1 \times 3 = 3$ $2 + 8 = 10$ $3 \times 4 = 12$ $4 + 8 = 12$

Ans : 12

15) (1, 1, 3), (2, 1, 5), (3, 4, 10), (4, 2, x)

$1 + 1 + (1) = 3$ $2 + 1 + (2) = 5$ $3 + 4 + (3) = 10$ $4 + 2 + (4) = 10$

Ans : 10

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ANUSHA (2 YEARS AGO) 6)10

(3,4.5,7)(4,6,8.5)(5,7.5,?)

$3 + (1.5) = 4.5$, $4.5 + (2.5) = 7$ $4 + (2.0) = 6$, $6 + (2.5) = 8.5$ $5 + (2.5) = 7.5$ $7.5 + (2.5) = 10$

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SARASWATHY (2YEARSAGO)

8) Ans : 1
40, 39, 37, 33, 26, 15, x
40 - 39 = 1
39 - 37 = 2 [since 2 is previous difference + 1 (ie) 1 + 1 = 2] 37 - 33 = 4 [2 + 2 = 4]
33 - 26 = 7 [4 + 3 = 7]
26 - 15 = 11 [7 + 4 = 11]
15 - x = 16 [11 + 5 = 16]
x = 1

10)

10) 118, 122
Divide the series like below
(8, 22, 54, 86, x) (6, 26, 58, 90, y) 1st group
8 * 3 - 2 = 22
8 * 7 - 2 = 54
8 * 11 - 2 = 86
8 * 15 - 2 = 118
2nd group
6 * 4 + 2 = 26
6 * 9 + 4 = 58
6 * 14 + 6 = 90
6 * 19 + 8 = 122

SARASWATHY (2YEARSAGO)

14) Ans : 38
(5, 16), (22, 68), (28, 87), (34, 106), (11, x) 5 * 3 + 1 = 16
22 * 3 + 2 = 68
28 * 3 + 3 = 87
34 * 3 + 4 = 106
11 * 3 + 5 = 38

LAVANYA GONE (2 YEARS AGO)

16) the correct series is 9/8, 4/3, 17/8, 10/3, 7/3, 42/8, 10/3, 49/4, 13/3, 7/2, 16/3
9/8 + 1 = 17/8, 4/3 + 2 = 10/3,
7/3 + 1 = 10/3, 42/8 + 2 = 49/4,
13/3 + 1 = 16/3, 7/2 + 2 = 11/2

SOWJANYA (2 YEARS AGO)

2. 1, 2, 2, 4, 8, 1, 8, 1/2, 4, 1, 4, 4

1x2=2 2x2=4 4x2=8 8x1=8 8x1/2=4 4x1=4 4x4=16

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

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

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

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



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answer is 16

Is this solution Helpful? [Yes \(6\)](#) | [No \(14\)](#)

Is this solution Helpful? [Yes \(26\)](#) | [No \(1\)](#)

ANN THERESSA (2 YEARS AGO) http://www.m4maths.com/placement-puzzles.php?ISSOLVED=Y&page=5&LPP=10&SOURCE=IBM&MYPUZZLE=&UID=&TOPIC=&SUB_TOPIC= 12/18

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IRFAN BASHA (2 YEARS AGO)

40,39,37,33,26,15
so diff b/w 40 d 39 is 1
diff b/w 39 d 37 is 2
diff b/w 37 d 33 is 4
diff b/w 33 d 26 is 7
diff b/w 26 d 15 is 11
so diff b/w 15 d next no is 16 ans:31 r 31
if u observe diff is 1 2 4 7 11 16 1+1=2
2+2=4
4+3=7
7+4=11
11+5=16

SARASWATHY (2YEARSAGO)
4) 4, 11, 66 ,74, 370, 379, x

4 + 7 = 11 ... 11 * 6 = 66
66 + 8 = 74 ... 74 * 5 = 370
370 + 9 = 379 ... 379 * 4 = 1516

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

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Ans : 1516

ANN THERESSA (2 YEARS AGO) 1)233.28

$$0.03 * 0.06 = 0.0018 \quad 0.0018 * 0.6 = 0.00108 \quad 0.00108 * 6 = 0.00648 \quad 0.00648 * 60 = 0.3888 \quad 0.3888 * 600 = 233.28$$

3)10

$$2+5=7 \\ 7 * 5 = 35 \quad 35 / (27) = 7$$

$$7 + 5 = 12 \quad 12 * 5 = 60 \quad 60 / 12 = 5$$

$$5 + 5 = 10 \\ 10 * 5 = 50 \quad 50 / (510) = 10$$

4)1516

$$4 + 7 = 11 \\ 11 * 6 = 66 \\ 66 + 8 = 74 \\ 74 * 5 = 370 \quad 370 + 9 = 379 \quad 379 * 4 = 1516$$

5)24

$$(6,18,21),(8,11,33),(2,6,9),(5,8,24),(7,21,..) \quad 6 * 3 = 18 \\ 18 + 3 = 21$$

$$8 + 3 = 11 \quad 11 * 3 = 33$$

$$2*3=6 \quad 6+3=9$$

$$5+3=8 \quad 8 * 3 = 24$$

$$7 * 3 = 21 \quad 21 + 3 = 24$$



Is this solution Helpful? [Yes \(2\)](#) | [No \(5\)](#)

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MEENAKSHI GUPTA (2 YEARS AGO)
13) $8/3 \Rightarrow 8 \times 8/3 \times 3 = 64/9$

every new fraction has square of previous fraction

KRISHNA KUMAR RAJWAR (2 YEARS AGO)

16) the correct series is $9/8, 4/3, 17/8, 10/3, 7/3, 42/8, 10/3, 58/8, 13/3, 7/2, 16/3$
 $9/8 + 1 = 17/8$, $4/3 + 2 = 10/3$,
 $7/3 + 1 = 10/3$, $42/8 + 2 = 58/8$,
 $13/3 + 1 = 16/3$, $7/2 + 2 = 11/2$

MATHSCRAZY (2 YEARS AGO)
 $6 > 3, 4.5, 7, 4, 6, 8.5, 5, 7.5, ?$

sol: $(3, 4.5, 7), (4, 6, 8.5), (5, 7.5, ?)$

$3 + 1.5 = 4.5$
 $4.5 + 2.5 = 7$
i.e.
 $(\text{last term} - \text{first term}) + 0.5 = \text{middle term}$ u can check for other series also

now for the last series i.e. last term = x
first term = 5
middle term = 7.5

$\Rightarrow x - 5 + 0.5 = 7.5 \Rightarrow x - 5.5 = 7.5$
 $\Rightarrow x = 7.5 + 5.5 \Rightarrow x = 13$

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

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

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PRADIP VADARALE (2 YEARS AGO)

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

5) (6, 18, 21), (8, 11, 33) (2, 6, 9) (5, 8, 24) (7, 21, x) $6 * 3 = 18$
 $18 + 3 = 21$
 $8 + 3 = 11$

$11 * 3 = 33$ $2 * 3 = 6$ $6 + 3 = 9$ $5 + 3 = 8$
 $8 * 3 = 24$ $7 * 3 = 21$ $21 + 3 = 24$

Ans : 24

6) (3, 4.5, 7), (4, 6, 8.5), (5, 7.5, x) subtract 3rd digit 1st digit in each group

$7 - 3 = 4$
 $8.5 - 4 = 4.5$
x 5 should be 5 $x - 5 = 5$
x = 10

Ans : 10

15) (1, 1, 3), (2, 1, 5), (3, 4, 10), (4, 2, x)

$1 + 1 + (1) = 3$ $2 + 1 + (2) = 5$ $3 + 4 + (3) = 10$ $4 + 2 + (4) = 10$

Ans : 10

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

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PRADIP VADARALE (2 YEARS AGO)

SARASWATHY (2 YEARS AGO)

7) (13, 24, 36), (23, 34, 56), (33, 44, 96), (43, 54, x)

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56 36 = 20
96 56 = 40
x 96 should be 60 x 96 = 60
x = 156

Ans : 156
9) (7.2, 2.2, 3.2), (16, 11, 12), (60, 55, 56), x
Multiple by "5" with 3rd number in each group, u ll get 1st number

3.2 * 5 = 16 12 * 5 = 60 56 * 5 = 280

Ans : 280

11) (1, 3, 1, 2.5), (5, 1, 4, 5), (4, 8, 7, x)

1 + 3 + 1 = 5 > 5/2 = 2.5 5 + 1 + 4 = 10 > 10/2 = 5
4 + 8 + 7 = 19 > 19/2 = 9.5

Ans : 9.5

DINESH KUMAR KK (2 YEARS AGO)
plz give the answer for q.no 10,14,16

NEERAJAREDDY (2YEARSAGO)
14) 5 16 22 68 28 87 34 106 11 ?

5 * 3 = 15 + 1 = 16 22 * 3 = 66 + 2 = 68 28 * 3 = 84 + 3 = 87 34 * 3 = 102 + 4 = 106 11 * 3 = 44 + 5 = 49

DINESH KUMAR KK (2 YEARS AGO)
thanks for uploaded the answer.....

DEEPTHI (2YEARSAGO)

1.0.03*6=0.0018 0.0018*6=0.00108 0.00108*6=0.00648 0.00648*6=0.3888 0.3888*6=0.23328

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

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

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

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

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Is this solution Helpful? Yes | No (4)

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3) answer 10 2,7,35,7,12,60,5,10,50,? now,remove 2 numbers 275?
now
2+5=7(which is next number) 72=5(which is next number) 5+5=10 answer
means add 5 sub 2 alternative

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

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PAVANI (2YEARSAGO) 10)ans: 118

$24+30=54, 56+30=86, 88+30=118$

SHIVAKUMARVMC (2YEARSAGO)

7.ans 156
(13,24,36)(23,34,56)(33,44,96)(43,54,...)
every 1st num of bracket increases by 10 i.e $13+10=23, 23+10=33$ and so on ,, 2nd ,,,,,,,,,,10 i.e $24+10=34, 34+10=44$
every 3rd ,,,,,,,,,,by 20 i.e $36+20=56, 56+20=76, 76+20=96, 96+20=116$

KAVITA SANJAY BORADE (2 YEARS AGO)
14) 5 16 22 68 28 87 34 106 11 ?

$5*3=15 +1=16$ $22*3=66 +2=68$ $28*3=84 +3=87$ $34*3=102+4=106$ $11*3=33 +5=38$

SATAMITABASU (2YEARSAGO)
 $3/2, 9/4, 9/4, 7/2, 49/4, 49/4, 4/3, 16/9, 16/9, 8/3, ?$

KRISHNA KUMAR RAJWAR (2 YEARS AGO)
14) 5 16 22 68 28 87 34 106 11 ?

$5*3=15 +1=16$ $22*3=66 +2=68$ $28*3=84 +3=87$ $34*3=102+4=106$ $11*3=33 +5=38$

SRAVANI A (2 YEARS AGO)

10). (8,22,54,86) (6,26,58,90)..here $822=14, 2254=32, 5486=32; 626=20, 2658=32, 5890=32; 430=26..$

ans is (4,30,62,94)

SONAMKESHRI (2YEARSAGO) 6.(3,4.5,7),(4,6,8.5),(5,7.5,?)

$3+3/2=4.5$ $4.5+2.5=7$

$4+4/2=6$ $6+2.5=8.5$

$5+5/2=7.5$ $7.5+2.5=10$

ans:10

PALLAVI (2YEARSAGO)

6. (3,4.5,7),(4,6,8.5),(5,7.5,x)
then, $74.5=2.5$
 $8.56=2.5$ because last two difference are same. $x7.5=2.5$
hence $x=2.5+7.5=10$

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

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

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](#) (1)

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SIVASANKARA REDDY Y (2 YEARS AGO)

MADHAVI

8) 40, 39, 37, 33, 26, 15,?
difference b/w two consecutive is 1 2 4 7 11 difference in result is 1 2 3 4
sooo 11+5 is 16
next num is 1516 is 1

(1 YEAR AGO)

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6) (3,4.5,7)
(4,6,8.5)
(5,7.5,?)
 $3+1=4$, $4+1=5$
 $4.5+1.5=6$, $6+1.5=7.5$, (compare the series vertically) $7+1.5=8.5$, $8.5+1.5=10$

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

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

ARUNAVADAS (3MONTHSAGO)
3) 2, 7, 35, 7, 12, 60, 5, 10, 50, x

$72 = 5 \cdot 35/7 = 5 \cdot 127 = 5 \cdot 60/12 = 5 \cdot 105 = 5 \cdot 50/10 = 5$

Ans= 10

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
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

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amit — Tomorrow is my ph test any suggestions? ?

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Vikas Rai — a square of 2 unit is given and four circles are made on its corners having equal radius of each. and another circle of equAl radius is made ...

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Rahul Sahu — ans is $=113+3=2*2+22+6=3*2+23+11=6*2+2$ solution by

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