Home Work Question - 1

Hema's age is 5 years more than twice Hari's age. Suresh's age is 13 year less than 10 times Hari's age. If Suresh is 3 times as old as Hema. How old is Hema?

[GATE 2018, 1 MARK (CE)]

A) 14 B) 17 C) 18 D) 19

Hari = x

$H = 2x + 5$

$S = 10x - 13$

$S = 3H$

$3H = 10x - 13$

$x = \frac{H-5}{2}$

$3H = 10\left(\frac{H-5}{2}\right) - 13$

$3H = 5H - 25 - 13$

$2H = 38$

$H = 19$

#NumberSystem #GeneralAptitude #GATE2021Aspirants

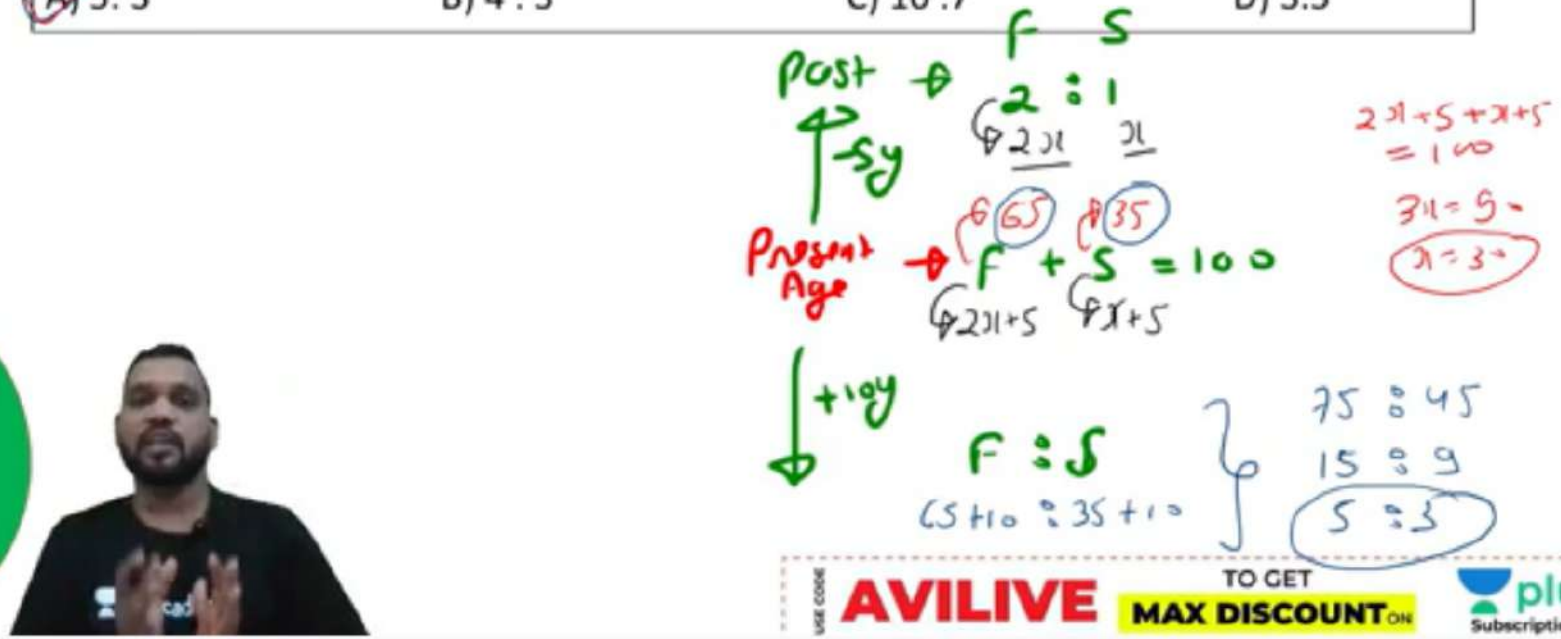
Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir

5,447 views • Premiered Nov 2, 2020

Home Work Question - 2

The sum of the age of a father and his son is 100 years now. 5 years ago their age were in the ratio of 2 : 1. The ratio of the age of father and son after 10 years will be :

A) 5: 3 B) 4 : 3 C) 10 :7 D) 3:5



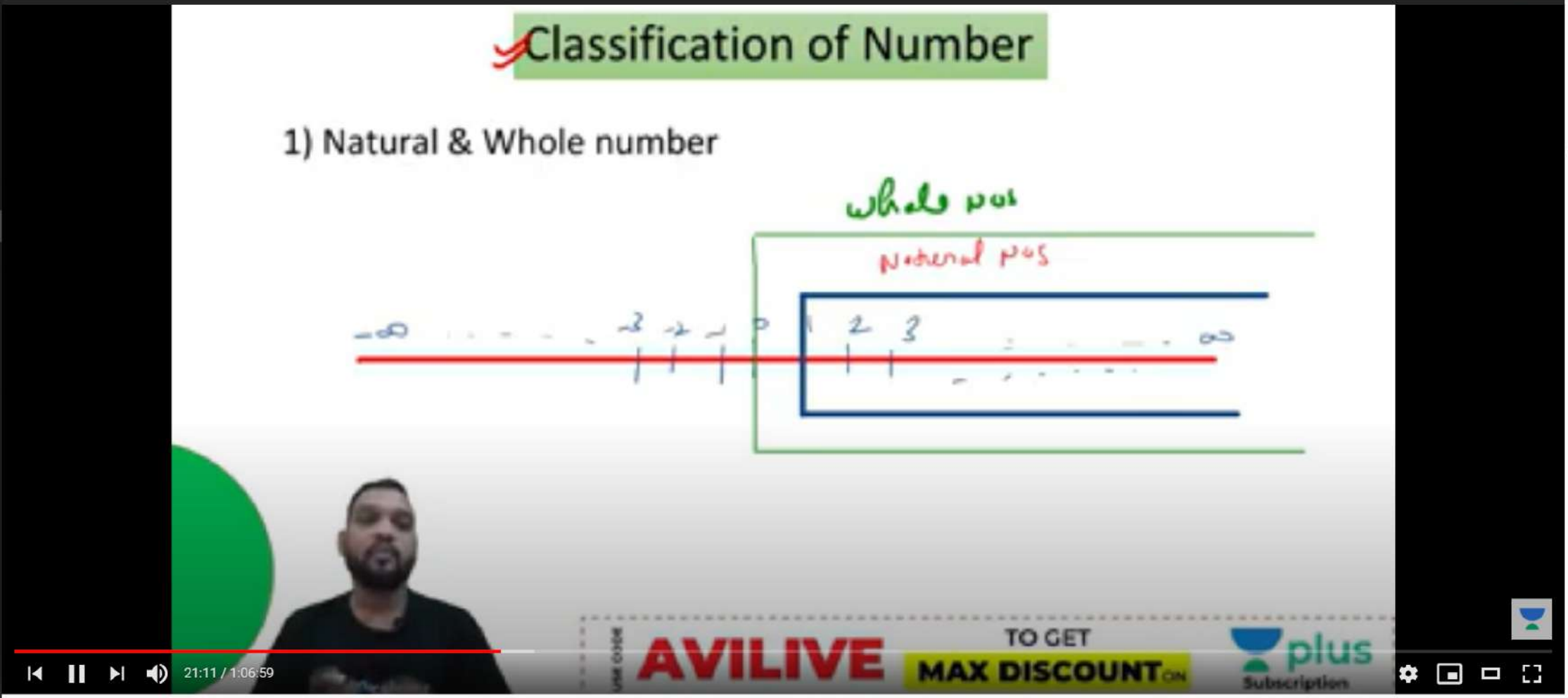
#NumberSystem #GeneralAptitude #GATE2021Aspirants

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir - YouTube

YouTube IN

Search



#NumberSystem #GeneralAptitude #GATE2021Aspirants

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir

5,447 views • Premiered Nov 2, 2020

266 2 SHARE SAVE ...

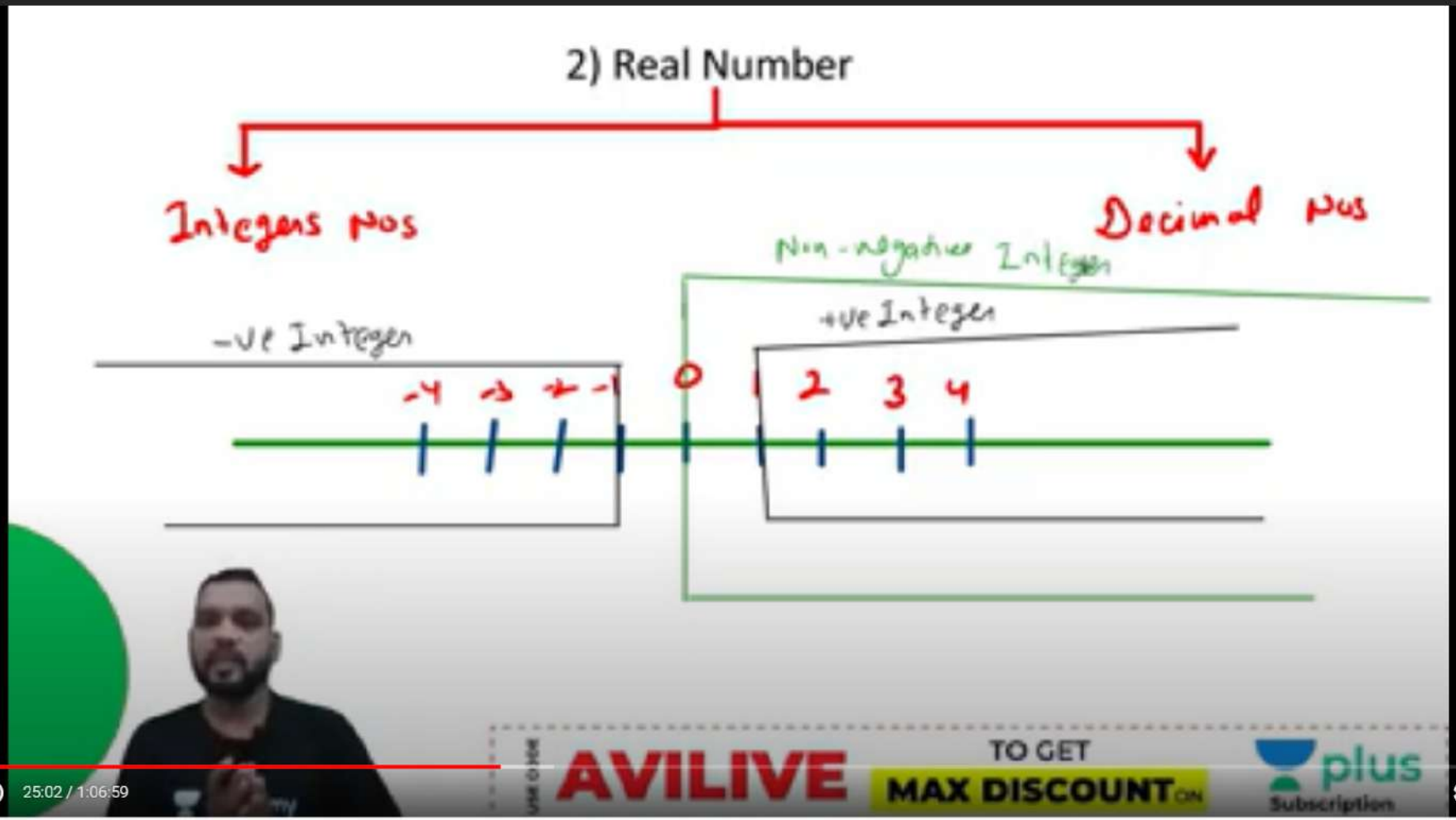
SHOW CHAT REPLAY

General Aptitude | GATE 2021 Civil Aspirants | Avinas

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir - YouTube

YouTube IN

Search



25:02 / 1:06:59

#NumberSystem #GeneralAptitude #GATE2021Aspirants

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir

5,447 views • Premiered Nov 2, 2020

266 2 SHARE SAVE ...

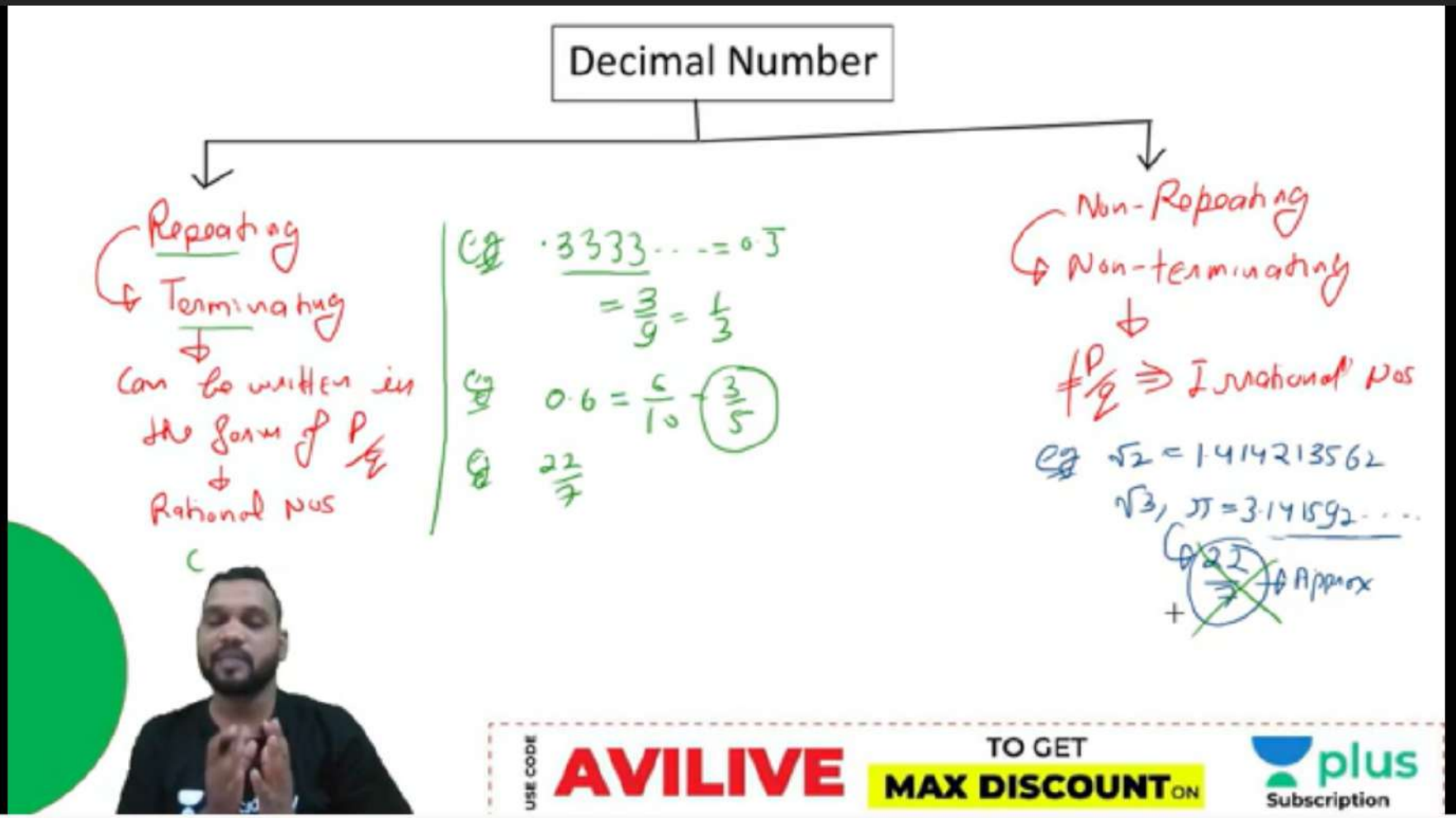
SHOW CHAT REPLAY

General Aptitude | GATE 2021 Civil Aspirants | Avinas

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir - YouTube

YouTube IN

Search



#NumberSystem #GeneralAptitude #GATE2021Aspirants

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir

5,447 views • Premiered Nov 2, 2020

266 2 SHARE SAVE ...

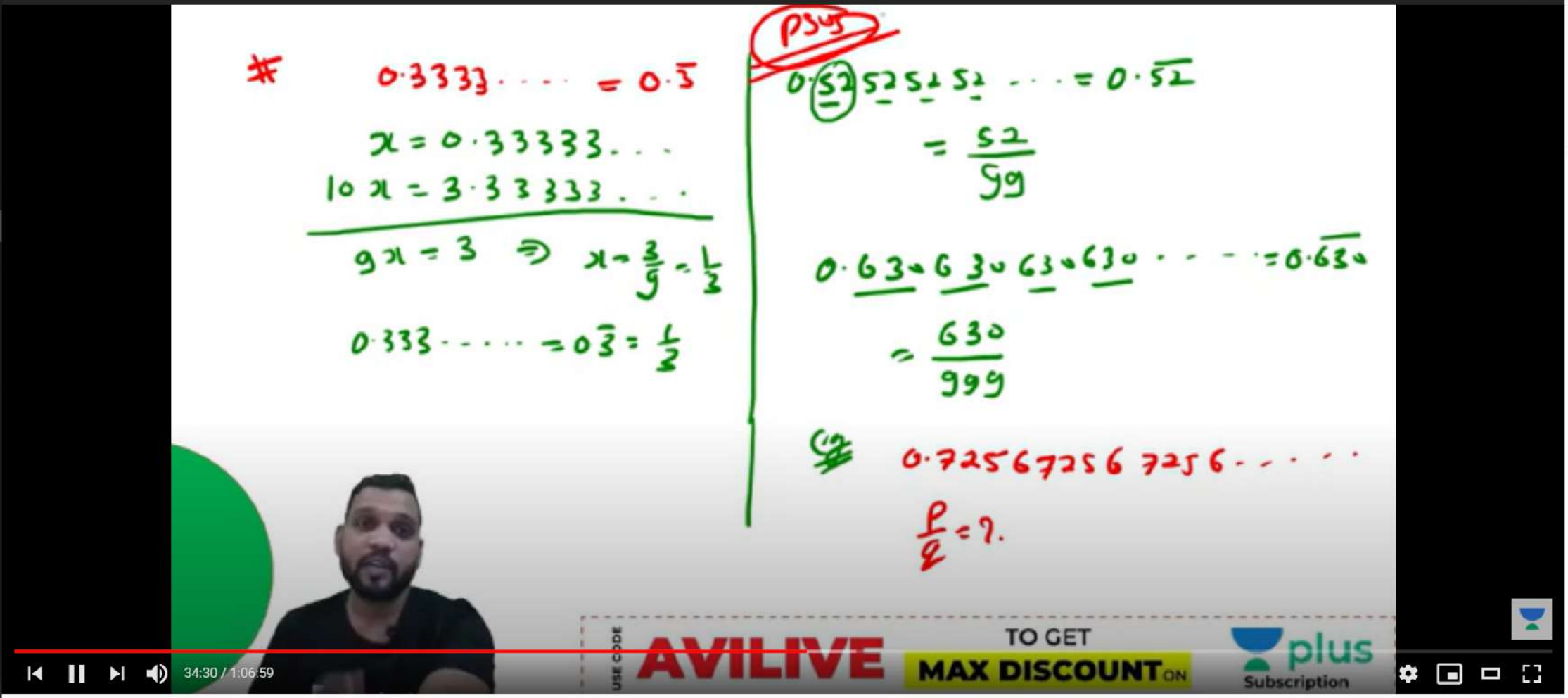
SHOW CHAT REPLAY

General Aptitude | GATE 2021 Civil Aspirants | Avinas

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir - YouTube

YouTube IN

Search



34:30 / 1:06:59

#NumberSystem #GeneralAptitude #GATE2021Aspirants

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir

5,447 views • Premiered Nov 2, 2020

266 2 SHARE SAVE ...

SHOW CHAT REPLAY

General Aptitude | GATE 2021 Civil Aspirants | Avinas

3) Even & Odd number

Even → divisible by 2

Eg 2, 4, 6, 8, 10, 12, 14 . . . .

Standard form = 2n

Even Number

Odd → Not divisible by 2

Eg 1, 3, 5, 7, 9, 11, ...

Standard form → (2n+1) or (2n-1)

#NumberSystem #GeneralAptitude #GATE2021Aspirants

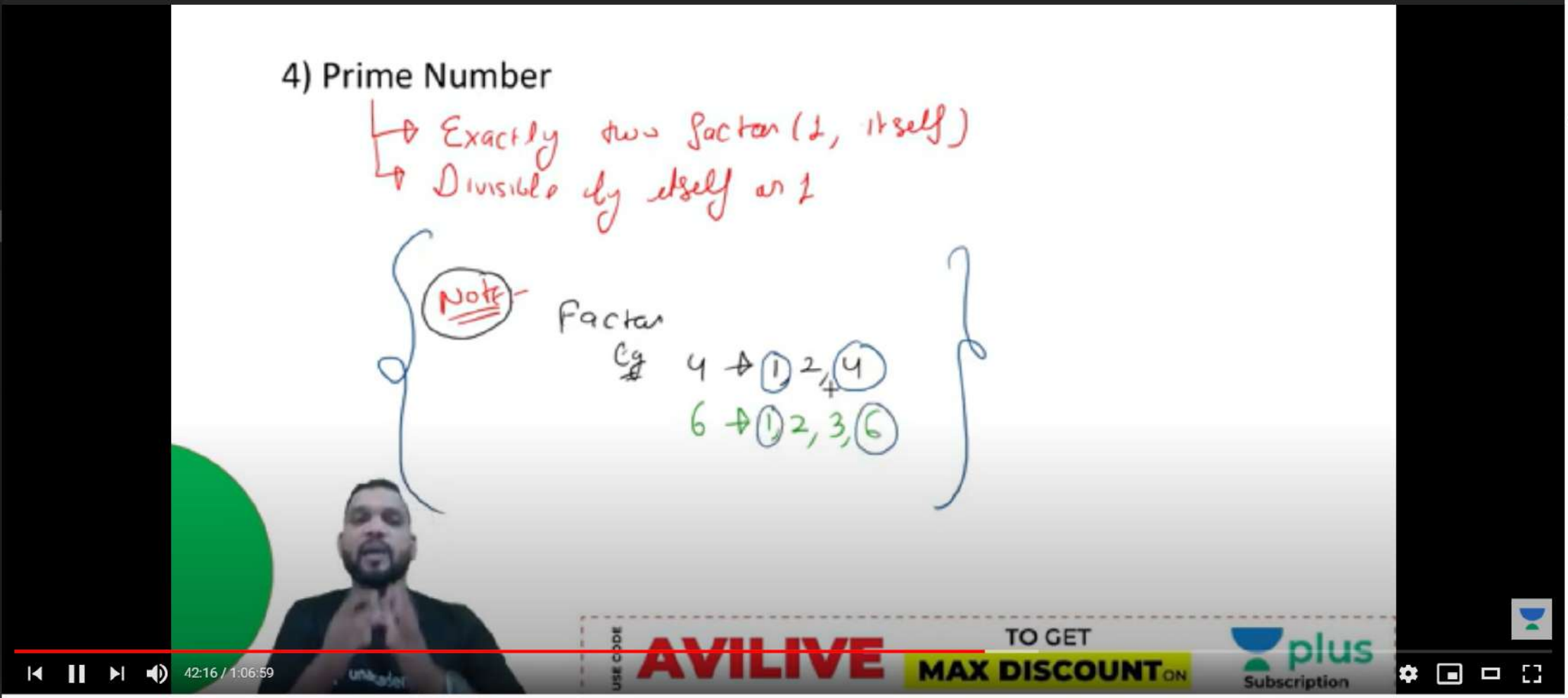
Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir

5,447 views • Premiered Nov 2, 2020

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir - YouTube

YouTube IN

Search



#NumberSystem #GeneralAptitude #GATE2021Aspirants

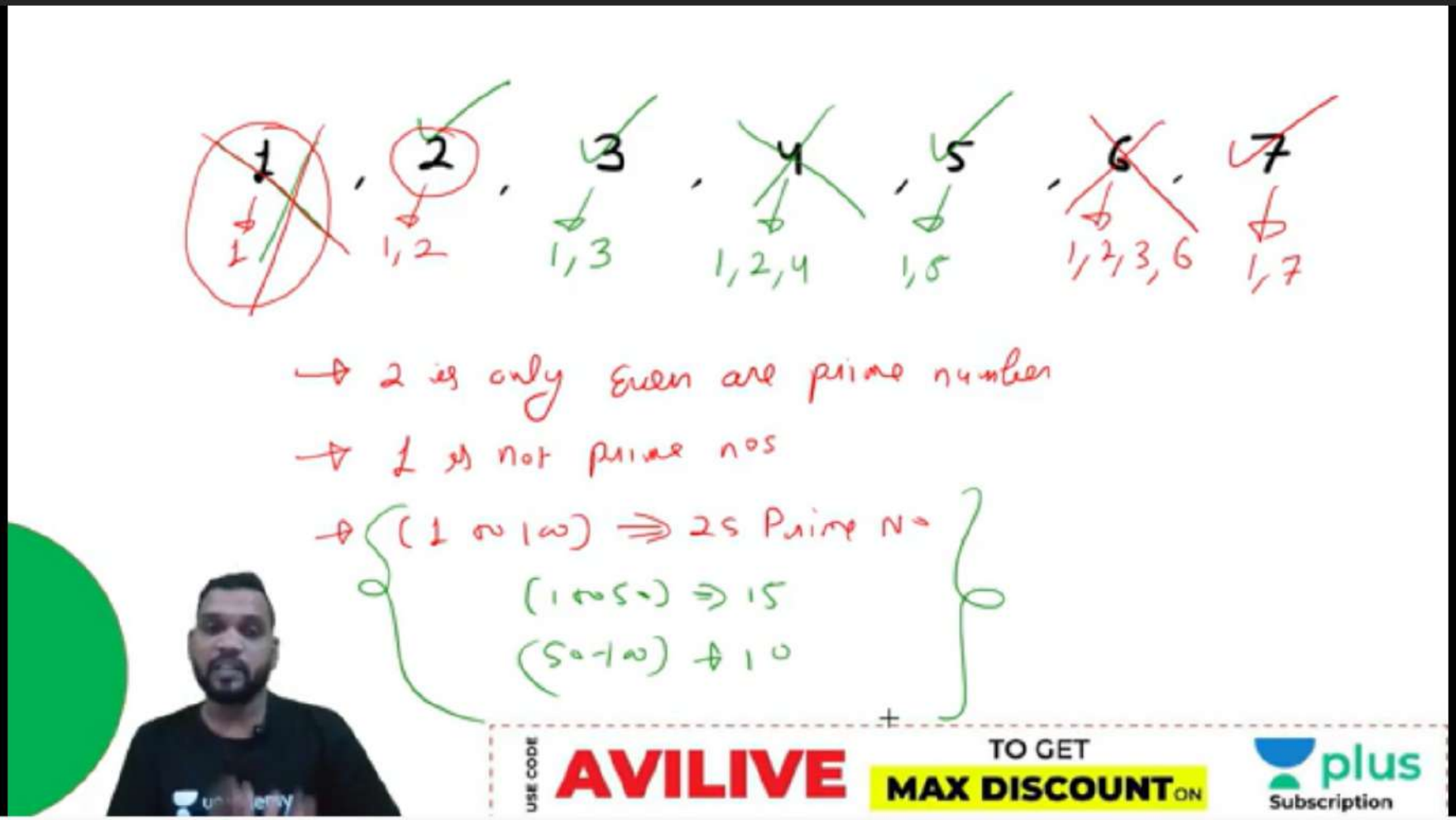
Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir

5,447 views • Premiered Nov 2, 2020

266 2 SHARE SAVE ...

Top chat replay

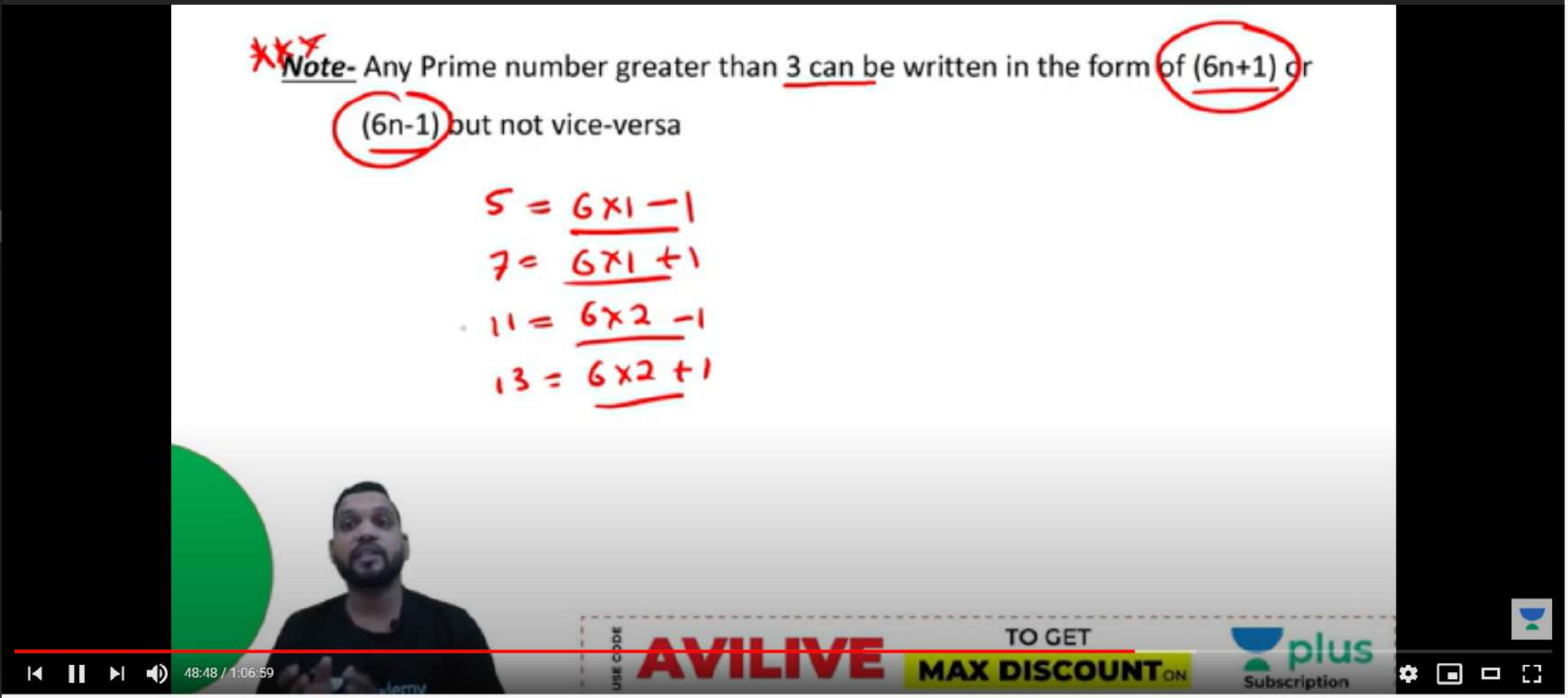
Alisha Salmani 7256/9999



Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir - YouTube

YouTube IN

Search



#NumberSystem #GeneralAptitude #GATE2021Aspirants

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir

5,447 views • Premiered Nov 2, 2020

266 2 SHARE SAVE ...

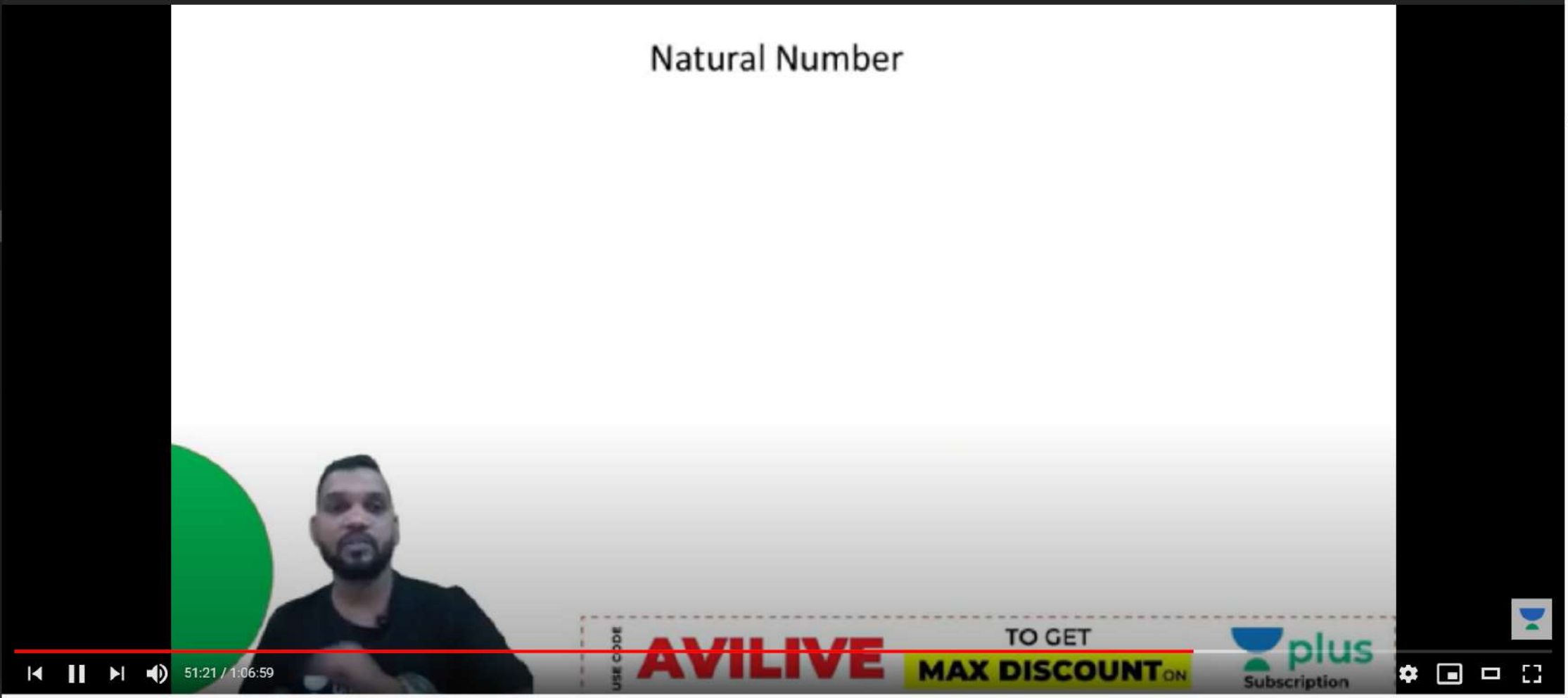
Top chat replay

B-55 - Gauresh Kelshikar no

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir - YouTube

YouTube IN

Search



#NumberSystem #GeneralAptitude #GATE2021Aspirants

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir

5,447 views • Premiered Nov 2, 2020

266 2 SHARE SAVE ...

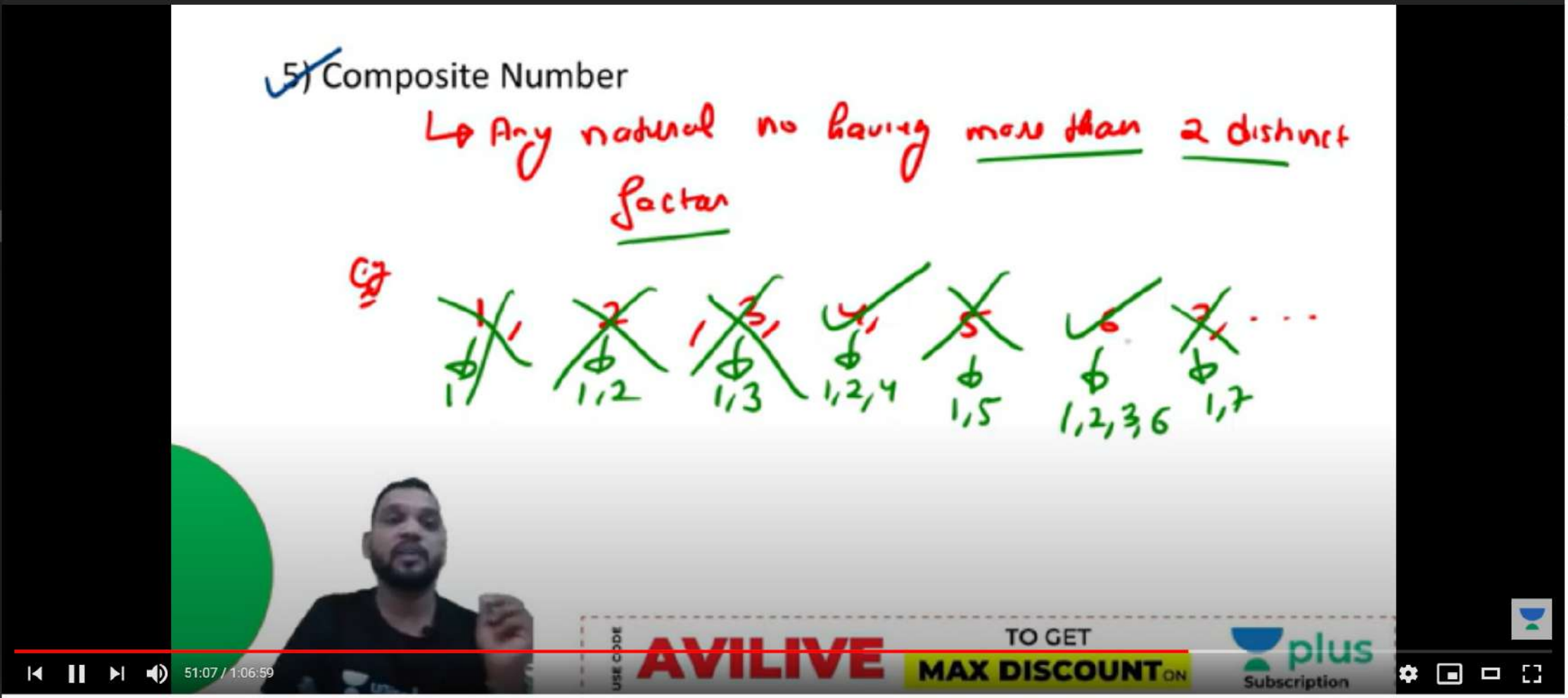
Top chat replay

Ankit kumar Yadav yes

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir - YouTube

YouTube IN

Search



#NumberSystem #GeneralAptitude #GATE2021Aspirants

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir

5,447 views • Premiered Nov 2, 2020

266 2 SHARE SAVE ...

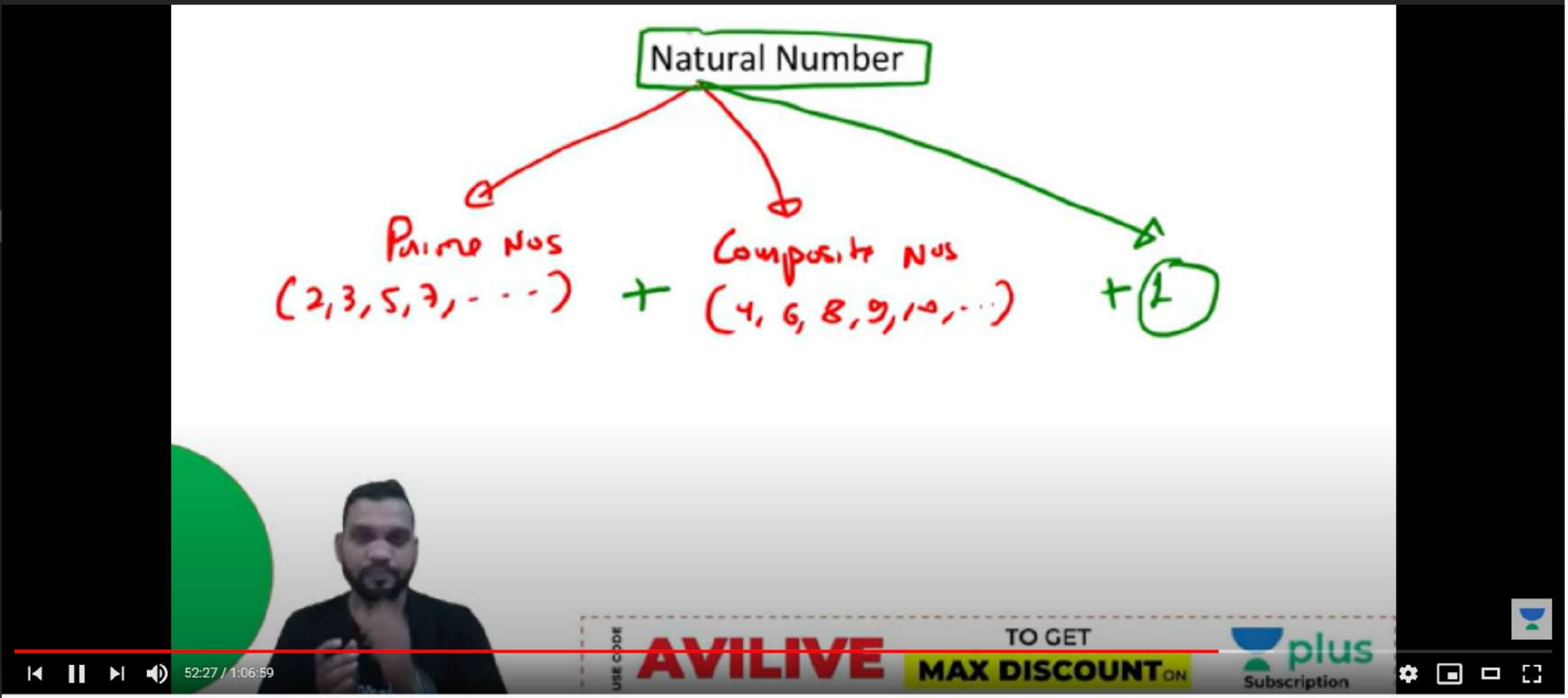
Top chat replay

Ankit kumar Yadav yes

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir - YouTube

YouTube IN

Search



#NumberSystem #GeneralAptitude #GATE2021Aspirants

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir

5,447 views • Premiered Nov 2, 2020

266 2 SHARE SAVE ...

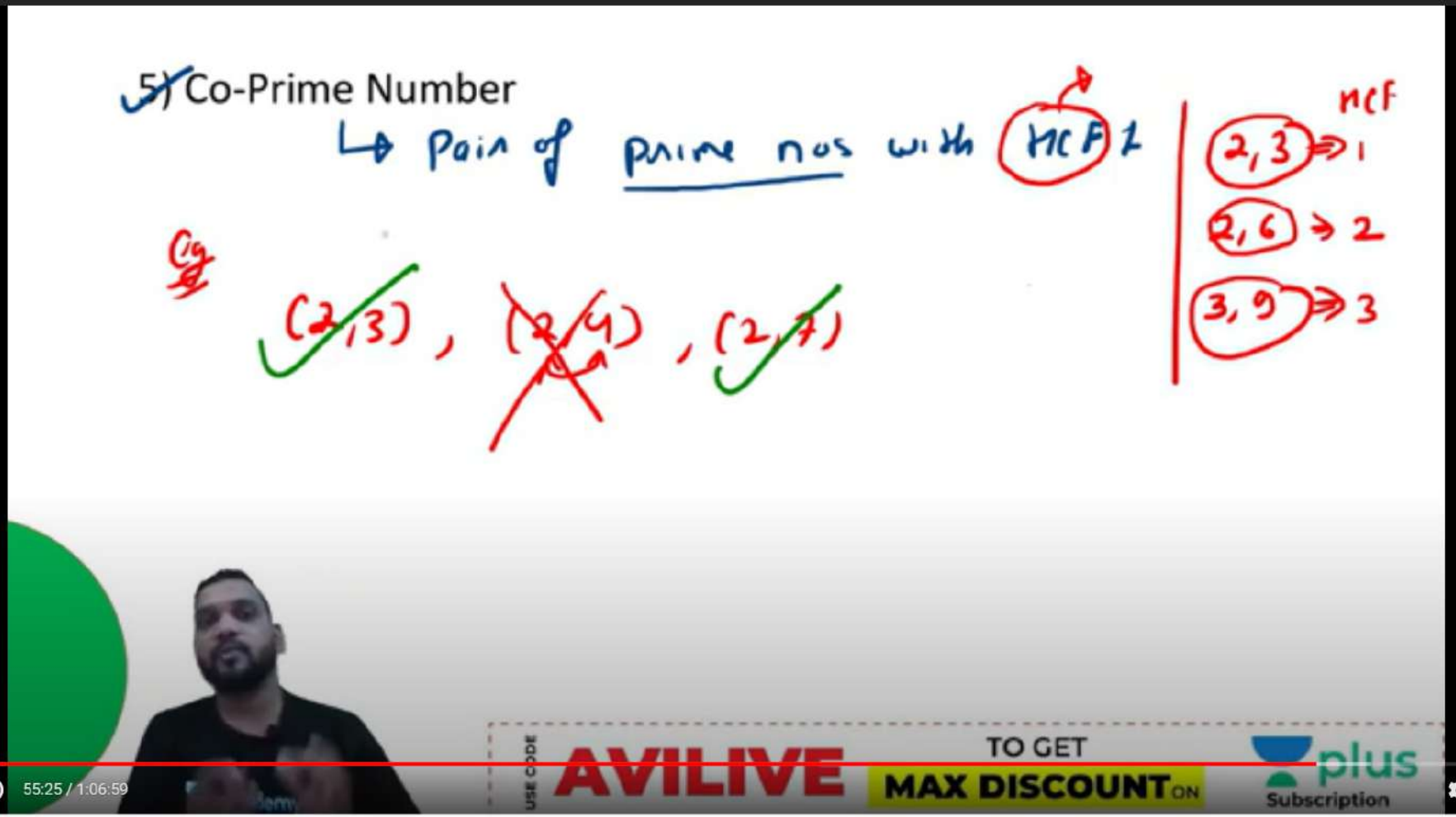
Top chat replay

DEEPAK KUMAR y

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir - YouTube

YouTube IN

Search



#NumberSystem #GeneralAptitude #GATE2021Aspirants

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir

5,447 views • Premiered Nov 2, 2020

266 2 SHARE SAVE ...

Top chat replay

Prashant Bhaskar 2/0 infinite nhi hoga sir ?

Aptitude for GATE/ESE/PSUs/AE/JE/College Placement, Topic- Ratio & Proportion

1) Find the sum of the first 20 terms of the series 2×3, 4×6, 6×9, 8×12,.....

A) 10710 B) 12654 C) 14880 D) 17220

$S_{20} = 2\times3 + 4\times6 + 6\times9 + 8\times12 + 10\times15 \cdots$ 20th term

$S_{20} = 6[1 + 4 + 9 + 16 + 25 + \cdots\cdots]$

$= 6[1^2 + 2^2 + 3^2 + 4^2 + 5^2 + \cdots] = 6\sum n^2\Big|_{n=20}$

$= 6 \times \left[\frac{n(n+1)(2n+1)}{6}\right]_{n=20} = \frac{20\times21\times41}{\cdots}$

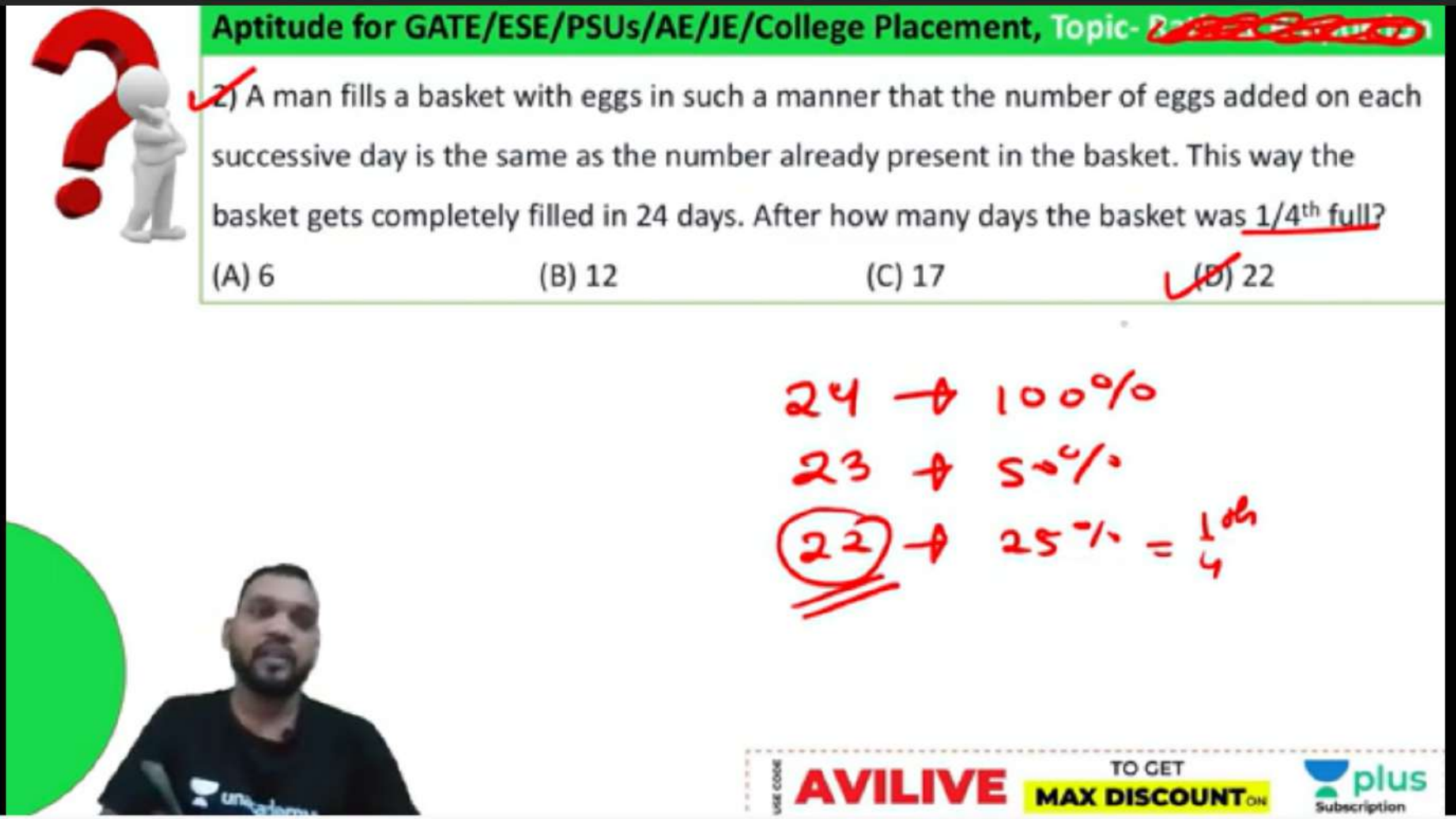
#NumberSystem #GeneralAptitude #GATE2021Aspirants

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir - YouTube

YouTube IN

Search



#NumberSystem #GeneralAptitude #GATE2021Aspirants

Number System - 1 | General Aptitude | Lec 18 | GATE CE Exam Preparation | Avinash Sir

5,447 views • Premiered Nov 2, 2020

266 2 SHARE SAVE ...

SHOW CHAT REPLAY

General Aptitude | GATE 2021 Civil Aspirants | Avinas