



airGurukul

UPP CONSTABLE 2026

LIVE

वर्दी 2.0

MATHS

NUMBER SYSTEM

((संख्याओं का वर्गीकरण))



19 JUNE 2026



07:00 PM



Evening



AADIL SIR

WELCOME TO



Preparing Bharat, Empowering Futures

airGurukul Institute for Career Growth

www.airgurukul.com

Powered by Prince Edutech Private Limited

Disclaimer

This presentation, lecture, and all related study materials have been created and published by **airGurukul Institute for Career Growth**, a unit of **Prince Edutech Private Limited**, for **educational and informational purposes only**. While every effort has been made to ensure the accuracy and reliability of the content, **airGurukul** does not guarantee that the information is absolutely current or free from error. Examination patterns, syllabus, and official notifications are subject to change by respective authorities, and students are strongly advised to **verify details from official sources before making any decisions**.

All third-party materials including logos, questions, references, or data used within this content are **solely for educational illustration and fair-use academic discussion**. Their ownership and copyrights remain with their respective owners. **airGurukul** shall not be held liable for any loss, damage, or consequence arising directly or indirectly from the use of this information.

By attending this session, viewing this content, or using the provided materials, the viewer acknowledges and agrees to this disclaimer. **Unauthorized recording, copying, or redistribution of this content in any form is strictly prohibited**.

Classification of Numbers | संख्याओं का वर्गीकरण |

Numbers (संख्याएँ)

digit → 0, 1, 2, 3, 4
5, 6, 7, 8, 9
उत्तर 10

1. Real No's वास्तविक संख्याएँ

सं
जिनको Number line पर
denote किया जा सकता है।

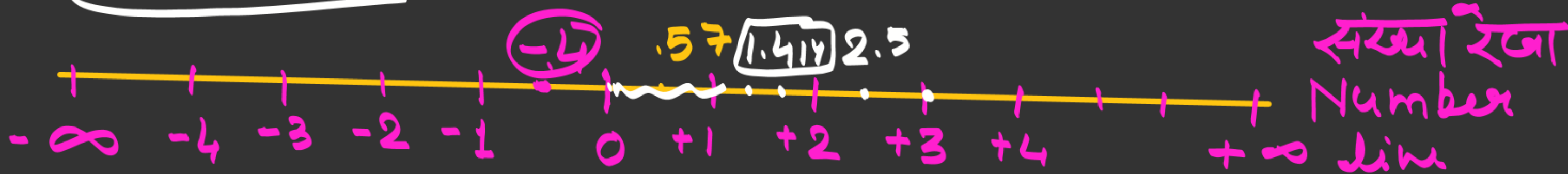
2. Imaginary No's काल्पनिक संख्याएँ

संख्याएँ
जो Number line पर नहीं है।
जैसे

1 12 123
1 1
2456

Real No.
वास्तविक सं

$\sqrt{-a}$



$$\boxed{3} - \textcircled{2.5} \sqrt{5} = .57$$

उदाहरण
 $\sqrt{5}$

$$\sqrt{2} = \boxed{1.414}$$

$$\sqrt{3} = \boxed{1.732}$$

$$\sqrt{0.567}$$

Imaginary No.
काल्पनिक सं०

आयेंदा

$$i^2 = -1$$

$$i = \sqrt{-1}$$

$$(-1)^2 = +1$$
$$(-2)^2 = \textcircled{4}$$

$$Ex \rightarrow \sqrt{-2}, \sqrt{-3}, \sqrt{-17}, \sqrt{-20}, \sqrt{-30}, \textcircled{\sqrt{-4}}$$

Play Store

Air Gwukul

Vardi 2.0

$$\sqrt{2}i$$

$$\sqrt{-2} = \sqrt{2} \times \textcircled{\sqrt{-1}} \rightarrow i$$

$$\sqrt{4} \times \sqrt{-1}$$
$$\boxed{2i}$$

$\textcircled{D} \rightarrow$

Complex Number
सम्मिश्र संख्याएँ

Real No + Imaginary No
वास्तविक + काल्पनिक

$a + bi$

ex →

$(2 + 3i)$
↓ ↓
R Im.

$(4 + 7i)$
↓ ↓
R Im.

1. What does each point on a number line represent?

- a) Natural No.
- b) Integer
- c) Rational No.
- 4) Real No.

संख्या रेखा पर प्रत्येक बिंदु क्या दर्शाता है?

- a) प्राकृतिक संख्या
- b) पूर्णांक
- c) परिमेय संख्या

d) वास्तविक संख्या

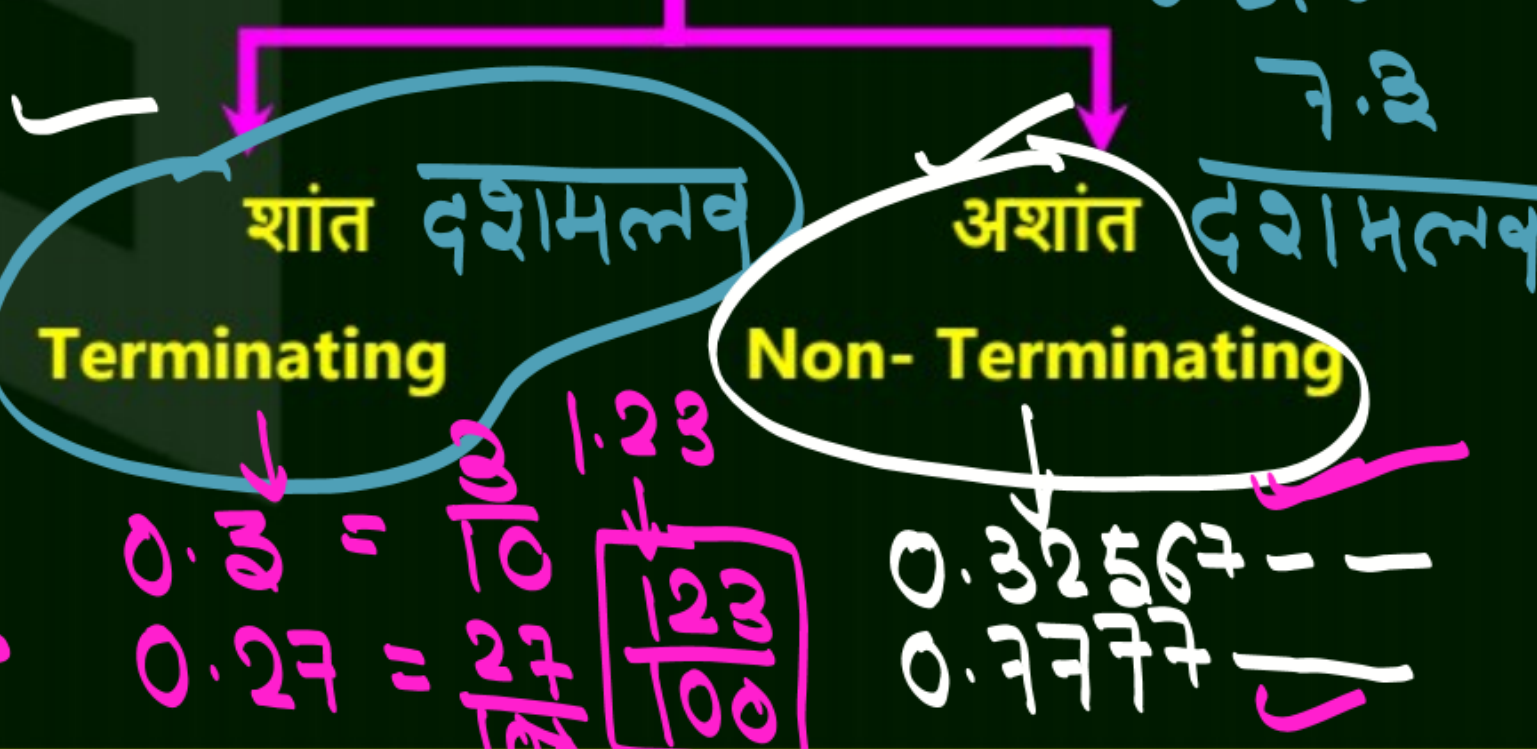
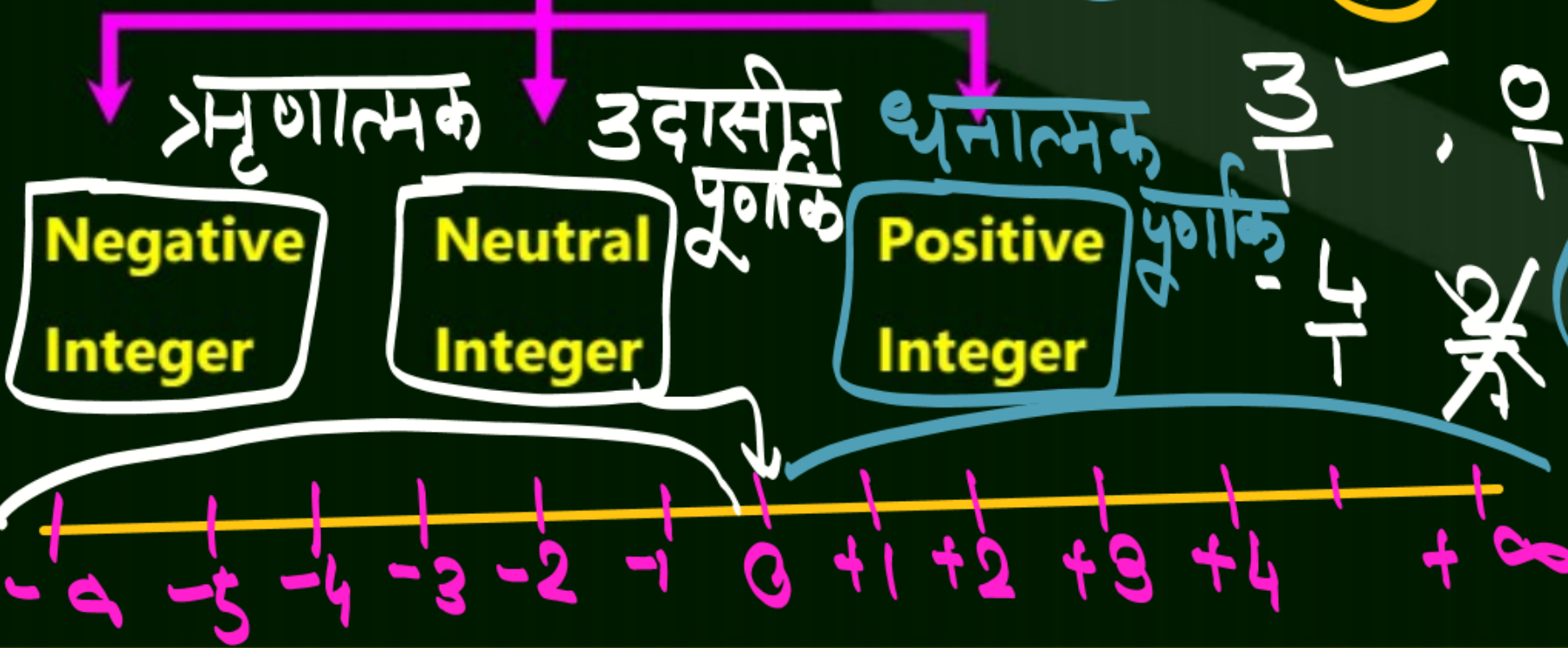


②

वास्तविक संख्यायें Real Numbers

Integer (पूर्णांक)

Decimal (दशमलव)



Decimal | दशमलव |

शांत दशमलव

Terminating Decimal

$$3.2 = \frac{32}{10}$$

$$0.32 = \frac{32}{100}$$

$$0.1234 = \frac{1234}{10000}$$

जो दशमलव समाप्त हो जाये

अशांत दशमलव

Non-Terminating Decimal

Non-terminating Repeating

पुनरावृत्ति दशमलव

Recurring decimal

$$0.7777... = 0.7$$

$$0.2323... = 0.23$$

अनावृत्ति दशमलव

जिस दशमलव को समाप्त न किया जा सके

$$0.7$$

$$0.23$$

THANK YOU



Preparing Bharat, Empowering Futures

airGurukul Institute for Career Growth
www.airgurukul.com

Follow Us |       

Powered by **Prince Edutech Private Limited**