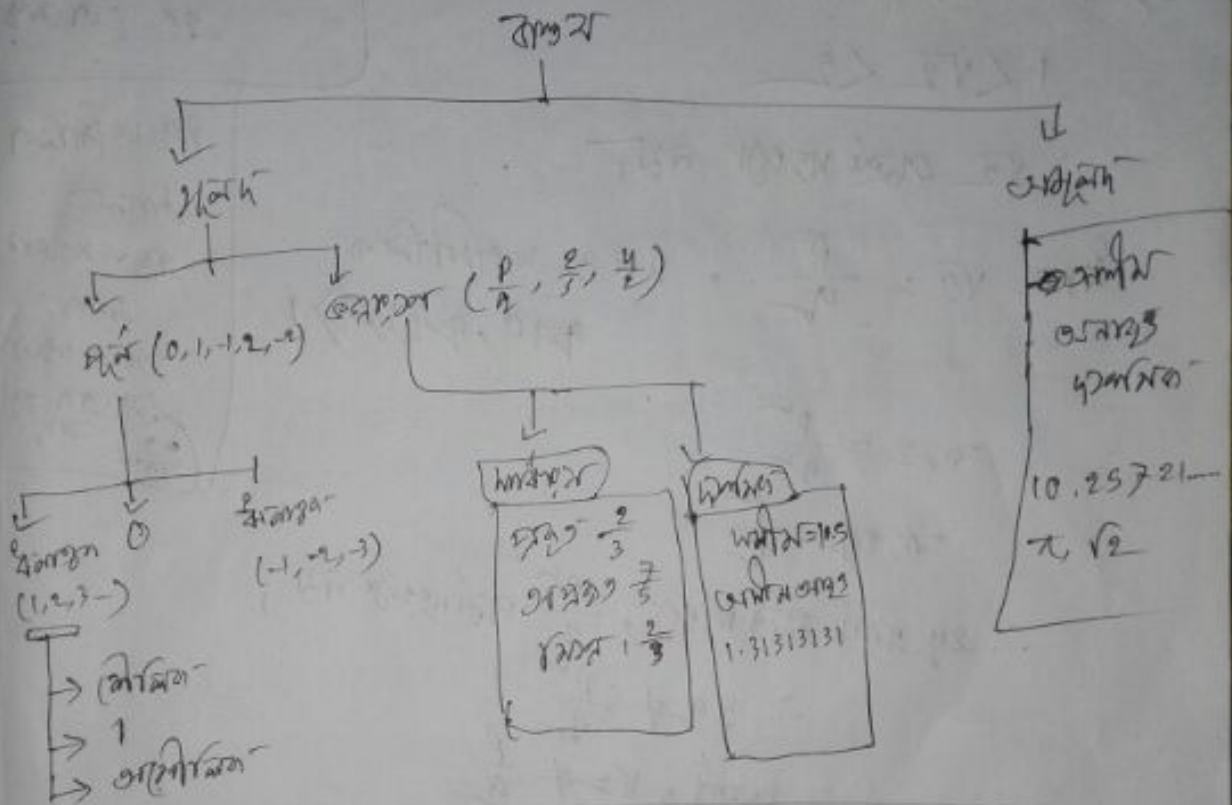


# SSC



$\sqrt{2}$  - अज्ञेय संख्या

$\Rightarrow \sqrt{2} = 1.4142 \dots$

$1 < \sqrt{2} < 2$

$\therefore \sqrt{2}$  अज्ञेय संख्या है।

सिद्धा,  $\sqrt{2} = \frac{p}{q}$ ,  $p$  व  $q$  अज्ञेय संख्याएँ  
 $q \neq 0, q+1, q > 1$

$\sqrt{2} = \frac{p}{q}$

$2q = \frac{p^2}{q}$

$\therefore 2q^2$  अज्ञेय संख्या है,  $\frac{p^2}{q}$  अज्ञेय संख्या है।

$\therefore 2q^2 \neq \frac{p^2}{q}$

अतः,  $\sqrt{2} \neq \frac{p}{q}$

$\therefore \sqrt{2}$  (अज्ञेय संख्या) अज्ञेय संख्या है।

अतः,  $\sqrt{2}$  अज्ञेय संख्या है।

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$\frac{47}{25} = 1.88$        $\frac{3}{11} = 0.2727 \dots$

$\therefore 0.\dot{2}7$

अज्ञेय संख्या, अज्ञेय संख्या  
 अज्ञेय संख्या  
 अज्ञेय संख्या

अज्ञेय संख्या  
 अज्ञेय संख्या  
 अज्ञेय संख्या  
 अज्ञेय संख्या  
 अज्ञेय संख्या

9-1123 हतम → मिनो सम

5.1345...

⇒ <sup>समता</sup> 5.1345... = 5.1345345.....

$$5.1345 \times 10000 = 51345.345.....$$

$$5.1345 \times 10 = 51.345.....$$

$$\begin{array}{r} \text{(-)} \\ \hline (5.1345 \times 10000) - (5.1345 \times 10) = (51345.345... - 51.345...) \end{array}$$

$$\therefore 5.1345 \times (10000 - 10) = 51345 - 51$$

$$\therefore 5.1345 \times 9990 = 51294$$

$$\therefore 5.1345 = \frac{51294}{9990}$$

$$= \frac{8549}{1665}$$

$$= 5 \frac{224}{1665} \text{ Ans.}$$

$4.\dot{6} \rightarrow 2193$   
 $4.\dot{1}6 \rightarrow 2193$

व्यंजन द्वारा वर्ण

$\rightarrow 4.\dot{6}, 7.3\dot{9}5, 10.79\dot{5}23$

$4.\dot{6} = 4.666666\dot{6}$   
 $7.3\dot{9}5 = 7.395959\dot{5}$   
 $10.79\dot{5}23 = 10.79523523\dot{5}$

$1, 2, 3 = \frac{6}{2.193}$

$2193 = 6$   
 $2193 = 2.193$

व्यंजन द्वारा वर्ण (क्रम-विधि)

1st step - व्यंजन  
 2nd step - (व्यंजन)

व्यंजन - 1st  
 व्यंजन - 2nd  
 व्यंजन - 3rd  
 व्यंजन - 4th  
 व्यंजन - 5th

P.T.O.

Am 2

Extra

$$3.\dot{8}\dot{9} = 3.89\overline{898989} | 89$$

$$2.1\dot{7}\dot{8} = 2.17\overline{878787} | 87$$

$$5.89\dot{7}9\dot{8} = 5.89\overline{798798} | 79$$

$$\begin{array}{r} 11.97\dot{5}7\dot{6}57\dot{6} | 55 \\ 11.97\dot{5}7\dot{6} \end{array}$$

Handwritten note: *Handwritten text, possibly describing a pattern or rule related to the numbers above.*

$$24.45\dot{6}4\dot{5} = 24.45\overline{645645} | 64$$

$$16.4\dot{3}\dot{7} = 16.43\overline{743743} | 74$$

$$\begin{array}{r} 8.0190190 \end{array}$$

Handwritten note: *Handwritten text, possibly describing a pattern or rule related to the numbers above.*

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$$A \Rightarrow 2.5 \times 4.3\dot{5} \times 1.2\dot{3}4$$

$$\rightarrow 2.5 = \frac{25}{10} = \frac{5}{2}$$

$$4.3\dot{5} = \frac{435 - 43}{90} = \frac{392}{90}$$

$$1.2\dot{3}4 = \frac{1234 - 12}{990} = \frac{1222}{990} = \frac{611}{495}$$

$$\therefore 2.5 \times 4.35 \times 1.234$$

~~2.5~~

$$= \frac{5}{2} \times \frac{399}{90} \times \frac{61}{495}$$

$$= \frac{119756}{8910}$$

$$= 13.440628\dots$$

Same Answer

$$\Rightarrow 2.\dot{2}71\dot{8} \div 1.9\dot{1}\dot{2}$$

$$\rightarrow 2.\dot{2}71\dot{8} = \frac{22718 - 2}{9999} = \frac{22716}{9999}$$

$$1.9\dot{1}\dot{2} = \frac{1912 - 19}{990} = \frac{1893}{990}$$

1000-10

10000-1

$$\therefore 2.\dot{2}71\dot{8} \div 1.9\dot{1}\dot{2} = \frac{22716}{9999} \div \frac{1893}{990}$$

$$= \frac{22716}{9999} \times \frac{990}{1893}$$

$$= \frac{120}{101}$$

$$= 1.18811881\dots$$

$$= 1.1881$$

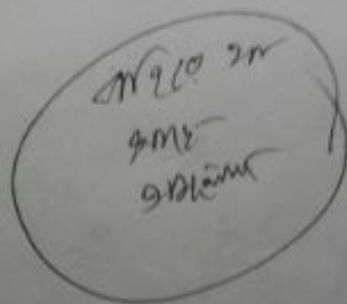
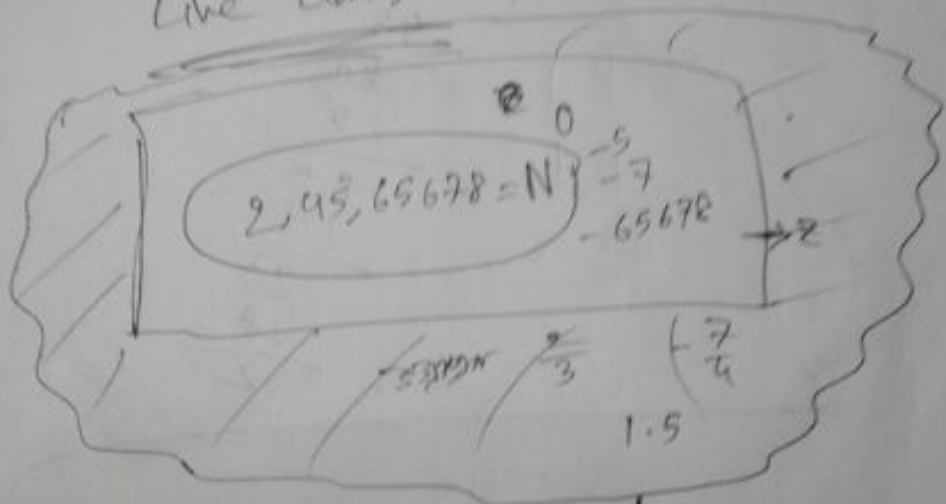
→ 1987-1988 4.9382814

4.9382814

≈ 4.9382 (Mol)

≈ 4.9383 (3Mol Mol)

Live class



Math 2

$$\frac{9}{16} \cdot 216 \left) 40 \right. \cdot 25$$

$$\begin{array}{r} 32 \\ \hline 80 \\ \hline 80 \\ \hline \end{array}$$

X

$$\frac{23}{6} = 3 \frac{5}{6} = 3.8\overline{3}$$

$$\begin{array}{r} 6 \overline{) 23} \quad | \quad 3.8\overline{3} \\ \underline{18} \phantom{00} \\ 50 \\ \underline{48} \\ 20 \\ \underline{18} \\ 20 \\ \underline{18} \\ 2 \end{array}$$



