RPF SI & CONSTABLE 2024

रेल रक्षक बैच

MATHS

Decimal & Fraction

Part- 03



LIVE STREAMING 03-06-2024 9AM

$1.3 + 1.33 + 1.333 + 1.3333 = ?$

$$
\begin{array}{r}
1.3000 \\
1.3300 \\
1.3330 \\
1.3333 \\
\hline
5.2963 \\
\hline
\end{array}
$$

Same

1.2

$= 1.20$

$= 1.200$

$= 1.2000$

$= 1.200000$

1.20002 ✗



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MATHS

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$13.291 + 0.31 + 171.48 = ?$

$$\begin{array}{r} {\scriptstyle 1\ \ 1} \\ 13.291 \\ 0.31 \\ +\ 171.48 \\ \hline 185.081 \end{array}$$

$0.\overline{6}$ ← Bar (बार)

$0.\overline{6} = 0.666666666\ldots\ldots$

$\Rightarrow \frac{6}{9} \Rightarrow \frac{2}{3}$

$$
\begin{array}{r|l}
3 & 2.0000 \\
-18 & 0.666 \\
\hline
20 & \\
-18 & \\
\hline
20 & \\
-18 & \\
\hline
2 &
\end{array}
$$

$$
\begin{array}{r|l}
3 & 2.0000 \\
-18 & 0.666 \\
\hline
20 & \\
-18 & \\
\hline
20 & \\
-18 & \\
\hline
20 & \\
-18 & \\
\hline
2 &
\end{array}
$$

$9.656565656\ldots\ldots$

$9.\overline{65}$

$\Rightarrow 9 + 0.\overline{65}$

$9 + \frac{65}{99}$

$\Rightarrow 9\frac{65}{99}$ Ans

$0.\overline{36}$

$\Rightarrow \frac{36}{99} \Rightarrow \frac{4}{11}$

0.3636

$11\overline{)40(0}$

-33

70

-66

40

-33

7

गुणा (Product) →

$$1.2 \times 2.3 \Rightarrow 2.76$$

$$4.53 \times 1.2 \times 1.3 \Rightarrow$$

$$5436 \times 13 \Rightarrow 70668$$

5

भाग (Division)

$$\frac{1.32 \times 100}{1.2 \times 10} = \frac{132}{120} \Rightarrow \frac{11}{10} \Rightarrow 1.1$$

$$\frac{18 \times 100}{0.15 \times 100} \Rightarrow \frac{1800}{15} \Rightarrow 120$$

$$\frac{16.5 \times 100}{0.15 \times 100} \Rightarrow \frac{1650}{15} \Rightarrow 110$$

$$\frac{18}{1.5} = ?$$

$$\frac{18 \times 10}{1.5 \times 10} \Rightarrow \frac{180}{15} \Rightarrow 12$$

$$\frac{12.72 \times 1000}{0.012 \times 1000}$$

$$\frac{12720}{12}$$

$$= 1060$$

1. Convert $0.\overline{6}$ into fraction:

$0.\overline{6}$ को भिन्न में बदलें:

(a) $\frac{6}{3}$

(b) $\frac{2}{3}$

(c) $\frac{2}{6}$

(d) $\frac{4}{3}$

$0.\overline{6} \Rightarrow \frac{6}{9} \Rightarrow \frac{2}{3}$

RRB Group-D – 28/09/2018 (Shift-II)

$0.2\overline{3}$

$\Rightarrow \frac{23-2}{90} \rightarrow \frac{21}{90} \Rightarrow \frac{7}{30}$ Ans

$\Rightarrow 0.69\overline{15}$

$\Rightarrow \frac{695-69}{900}$

$\Rightarrow 0.\dot{6}\overline{9}\overline{15}$

$\Rightarrow \frac{695-6}{990} \Rightarrow \frac{689}{990}$

$\rightarrow \frac{626}{900} \Rightarrow \frac{313}{450}$ Ans

$0.\overset{\breve{}}{3}\overset{\breve{}}{4}\overset{\breve{}}{5}\overline{6}$

$$\frac{3456-345}{9000}$$

$$= \frac{3111}{9000} = \frac{1037}{3000}$$

$0.345\overline{6}$

$$\frac{3456-34}{9900} = \frac{3422}{9900}$$

$0.\overline{37} + 0.\overline{41} = ?$

$\Rightarrow 0.\overline{78}$

$\Rightarrow \frac{78}{99} = \frac{8}{11}$

$\Rightarrow \frac{37}{99} + \frac{41}{99}$

$\Rightarrow \frac{78}{99}$

$0.\overline{35} + 0.\overline{33} = ?$

$0.\overline{68}$

$\Rightarrow \frac{68}{99}$

$0.\overline{3} =$

0.333333333333

$\Rightarrow 3 - - -$

$1.\overline{41}$

$0.\overline{78} + 0.\overline{63} = ?$

$\frac{78}{99} + \frac{63}{99}$

$\Rightarrow \frac{141}{99} \Rightarrow 1\frac{42}{99}$

$\Rightarrow 1 + \frac{42}{99} \Rightarrow 1 + 0.\overline{42}$

$\Rightarrow 1.\overline{42}$

1.41
-99
$\overline{1.42}$

$\Rightarrow 1.\overline{42}$

141

$\therefore$

$\overline{1}.\overline{25} + \overline{2}.\overline{32} + \overline{4}.\overline{41} = ?$

$(1+2+4) + (0.\overline{25} + 0.\overline{32} + 0.\overline{41})$

$7 + 0.\overline{98} \Rightarrow 7 + \frac{98}{99}$

$\Rightarrow 7.\overline{98}$ $\Rightarrow 7\frac{98}{99}$