Decimal & Fraction

Q. $1.3 + 1.33 + 1.333 + 1.3333 = ?$

1.3000
1.3300
1.3330
1.3333
5.2963

1.2
1.20
1.200
1.20000
1.2000000
Same.
⇓
120002

Q. $13.291 + 0.31 + 171.48 = ?$

13.291
0.31
171.48
185.081

Q $0.\overline{6}$ → Bar (बार)

$\Rightarrow 0.6666666666\ldots$

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

3) 20 (6.666666
18
20
-18
20
-18
20
-18
20
-18
2

$\Rightarrow 6.\overline{6}$

3) 20 (0.66666
18
20
-18
20
-18
20
-18
2

Q. $0.\overline{36}$

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

0.3636363636

11) 40 (0.3636363636
-33
70
-66
40
-33
70
-66
40

Q. $9.\overline{65}$ → 9.6565656565

$\Rightarrow 9 + 0.65$

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

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

Decimal & Fraction

गुणा (Product) ⇒ Multiple

* $1.2^{3} \times 2.3^{3} \Rightarrow 2.76$
* $4.5^{3}3 \times 1.^{2}2 \times 1.^{3}3$

  $5.436 \times 1.3 \Rightarrow 7.0668$

भाग (Division) ⇒

* $\frac{1.32 \times 100}{1.2 \times 100} \Rightarrow \frac{132}{120} = \frac{11}{10} = 1.1$
* $\frac{16.5 \times 100}{0.15 \times 100} \Rightarrow \frac{1650}{15} \Rightarrow 110.$
* $\frac{12.72 \times 1000}{0.012 \times 1000} \Rightarrow \frac{12720}{12} \Rightarrow 1060.$
* $\frac{18}{1.5} = ?$ $\frac{18 \times 10}{1.5 \times 10} \Rightarrow \frac{180}{15} \Rightarrow 12$
* $\frac{18 \times 100}{0.15 \times 100} \Rightarrow \frac{1800}{15} \Rightarrow 120$

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

$0.\overline{6}$ को भिन्न में बदलें :- RRB Group-D - 28/09/2018 (SHIFT-II)

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

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

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

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

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

Q. $0.2\overline{3}$

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

$0.2333333333 \ldots$

$0.2\overline{3}$

30)70(0.2333333...
60
100
-90
100
-90
100
-90
100
-90
100
-90
10
-9

Decimal & Fraction

* $0.6\overline{95}$

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

* $0.\overline{695}$

$\Rightarrow \frac{695-69}{900} \Rightarrow \frac{626}{900} = \frac{313}{450}$ Ans.

* $0.3\overline{456}$

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

* $0.\overline{3456}$

$\Rightarrow \frac{3456-345}{9000} \Rightarrow \frac{3111}{9000} \Rightarrow \frac{1037}{3000}$

* $0.\overline{39} + 0.\overline{49} = ?$

$\Rightarrow 0.\overline{88}$

$\Rightarrow \frac{88}{99} \Rightarrow \frac{8}{9}$

$\Rightarrow \frac{39}{99} + \frac{49}{99} \Rightarrow \frac{88}{99}$

* $0.\overline{35} + 0.\overline{33} \Rightarrow ?$

0.68 Ans.

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

$0.\overline{3} =$

$0.33333333\ldots$

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

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

$\Rightarrow 7 + 0.98 \quad \Rightarrow 7 + \frac{98}{99}$

$\Rightarrow 7.98. \quad \Rightarrow 7\frac{98}{99}$ Ans.

* $0.\overline{78} + 0.63 = ?$

$\Rightarrow \frac{78}{99} + \frac{63}{99}$ (141)

$\Rightarrow \frac{141}{99} \Rightarrow 1\frac{42}{99} \Rightarrow 1 + \frac{42}{99} \Rightarrow 1 + 0.\overline{42}$

$\Rightarrow 1.\overline{42}$ Ans.

1.41
$\underline{\quad 99}$
$1:42$