

# परिमेय संख्यांचे दशांश रूप

सराव संच

$$1) \frac{9}{37} = 0.\overline{243} \leftarrow \text{आवर्ती}$$

$$\begin{array}{r} 0.\overline{243}243 \\ 37 \overline{) 9.00000000} \\ \underline{- 74} \phantom{00000000} \\ 160 \phantom{0000000} \\ \underline{- 148} \phantom{000000} \\ 120 \phantom{00000} \\ \underline{- 111} \phantom{0000} \\ 90 \phantom{000} \\ \underline{- 74} \phantom{00} \\ 160 \phantom{0} \\ \underline{- 148} \\ 120 \\ \underline{- 111} \\ 90 \\ \downarrow \end{array}$$

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$$2) \frac{18}{42} = 0.\overline{428571} \leftarrow \text{आवर्ती}$$

अंशा आणि छेदाला 6 ने भागून देऊ,

$$\therefore \frac{18 \cancel{3}}{42 \cancel{7}} = \frac{3}{7} = 0.\overline{428571}$$

$$\begin{array}{r} 0.\overline{428571} \\ 7 \overline{) 3.0000000} \\ \underline{- 28} \phantom{0000000} \\ 20 \phantom{0000000} \\ \underline{- 14} \phantom{0000000} \\ 60 \phantom{0000000} \\ \underline{- 56} \phantom{0000000} \\ 40 \phantom{0000000} \\ \underline{- 35} \phantom{0000000} \\ 50 \phantom{0000000} \\ \underline{- 49} \phantom{0000000} \\ 10 \phantom{0000000} \\ \underline{- 7} \phantom{0000000} \\ 30 \phantom{0000000} \\ \downarrow \end{array}$$

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$$3) \frac{9}{14} = 0.6428571 \leftarrow \text{आवर्त}$$

$$\begin{array}{r} 0.6428571 \\ 14 \overline{) 9.00000000} \\ \underline{-84} \phantom{00000000} \\ 60 \phantom{0000000} \\ \underline{-56} \phantom{0000000} \\ 40 \phantom{000000} \\ \underline{-28} \phantom{000000} \\ 120 \phantom{00000} \\ \underline{-112} \phantom{00000} \\ 80 \phantom{0000} \\ \underline{-70} \phantom{0000} \\ 100 \phantom{000} \\ \underline{-98} \phantom{000} \\ 20 \phantom{00} \\ \underline{-14} \phantom{00} \\ 60 \phantom{0} \\ \downarrow \end{array}$$

$$4) \quad -\frac{103}{5} = -\left(\frac{103}{5}\right) = -20.6$$

$$\begin{array}{r} -20.6 \\ 5 \overline{)103.0} \\ \underline{-10} \phantom{0} \\ 030 \\ \underline{-30} \\ 0 \end{array}$$

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सराव संच

5)  $-\frac{11}{13} = -\left(\frac{11}{13}\right) = 0.\overline{846153}$  ← आवर्त

$$\begin{array}{r} 0.\overline{846153} \\ 13 \overline{) 11.00000000} \\ \underline{-104} \phantom{00000000} \\ 60 \phantom{00000000} \\ \underline{-52} \phantom{00000000} \\ 80 \phantom{00000000} \\ \underline{-78} \phantom{00000000} \\ 20 \phantom{00000000} \\ \underline{-13} \phantom{00000000} \\ 70 \phantom{00000000} \\ \underline{-65} \phantom{00000000} \\ 50 \phantom{00000000} \\ \underline{-39} \phantom{00000000} \\ 110 \phantom{00000000} \\ \downarrow \end{array}$$