

Q.1 Simplify $5.3434\ldots$ as a fraction.

A) Let

$$x = 5.3434\ldots \quad (1)$$

By multiplying both sides by 100 we get

$$100x = 534.3434\ldots \quad (2)$$

Subtracting (1) from (2)

$$100x - x = 529$$

$$99x = 529$$

(next divide both sides by 99)

$$x = \frac{529}{99}$$