

If any four numbers are selected and they are multiplied, then the probability that the last digit will be 1, 3, 5 or 7 is _____.

Solution: The total number of digits in any number at the units place is 10.

Therefore, $n(S) = 10$

If the last digit is 1, 3, 5 or 7, then it is necessary that the last digit in each number must be 1, 3, 5 or 7.

Therefore, $n(A) = 4$

$$P(A) = \frac{4}{10} = \frac{2}{5}$$

Hence, the required probability is $(\frac{2}{5})^4 = \frac{16}{625}$.