Chapter-Real numbers
Question bank

Q1. Find the HCF of 54 and 90 using prime factorization.

Q2. Find the LCM of 36 and 48 using prime factorization.

Q3. Prove that √5 is irrational.

Q4. If HCF(180, 168) = 12, find LCM(180, 168).

Q5. Find the HCF of 65 and 117 using the prime factorization method.

Q6. Prove that 7 + √3 is irrational.

Q7. Find the HCF and LCM of 24, 36, and 40.

Q8. Is the product of a non-zero rational and an irrational number always irrational? Justify.

Q9. Prove that 7√3 is irrational.

Q10. The LCM of two numbers is 120 and their HCF is 10. If one of the numbers is 60, find the other number.