

Ex 5.3, 4

Find the square roots of the following numbers by the Prime Factorization Method.

(vi) 9604

By prime Factorization,

$$9604 = 2 \times 2 \times 7 \times 7 \times 7 \times 7$$

$$\begin{aligned} \therefore \sqrt{9604} &= 2 \times 7 \times 7 \\ &= 2 \times 49 \\ &= 98 \end{aligned}$$

2	9604
2	4802
3	2401
3	343
7	49
7	7
	1