

Exercise 12

In the following exercises, find the prime factorization.

$$627$$

Solution

$6 + 2 + 7 = 15$, which is divisible by 3, so one of the factors of 627 is 3.

$$\begin{aligned} 627 &= 3 \times 209 \\ &= 3 \times 11 \times 19 \end{aligned}$$