

# Mathematics

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(Chapter – 1) (Number Systems)(Exemplar Problems)

(Class – IX)

## Exercise 1.1

Write the correct answer in each of the following:

### Question 11:

$\sqrt{10} \times \sqrt{15}$  is equal to

- (A)  $6\sqrt{5}$       (B)  $5\sqrt{6}$       (C)  $\sqrt{25}$       (D)  $10\sqrt{5}$

### Answer 11:

- (B)  $5\sqrt{6}$

Solution:

Given  $\sqrt{10} \times \sqrt{15}$

$$= \sqrt{10 \times 15} = \sqrt{5 \times 2 \times 5 \times 3} = 5\sqrt{6}$$

