

Assertion–Reason:

Choose the correct option:

- (a) Both A and R are true, and R is the correct explanation of A.
- (b) Both A and R are true, but R is not the correct explanation of A.
- (c) A is true, but R is false.
- (d) A is false, but R is true.

1. Assertion (A): $36 \div 6 = 6$.

Reason (R): $6 \times 6 = 36$.

2. Assertion (A): $48 \div 8 = 6$.

Reason (R): 48 can be divided into 8 equal groups of 6.

3. Assertion (A): $42 \div 7 = 7$.

Reason (R): $7 \times 6 = 42$.

4. Assertion (A): $30 \div 5 = 6$.

Reason (R): 30 is an even number.

5. Assertion (A): $16 \div 4 = 4$.

Reason (R): Division is used to make equal groups.

6. Assertion (A): $27 \div 3 = 9$.

Reason (R): $9 + 9 + 9 = 27$.