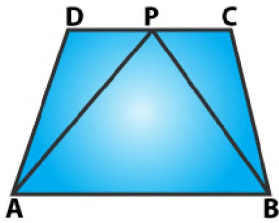


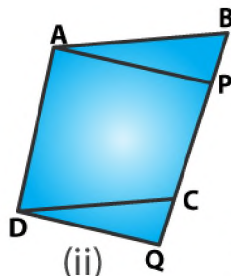
## Solutions for Class 9 Maths Chapter 15 Area of Parallelogram and Triangles

### Exercise 15.1

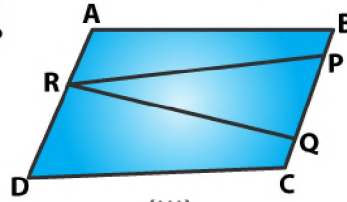
Question 1: Which of the following figures lie on the same base and between the same parallel. In such a case, write the common base and two parallels:



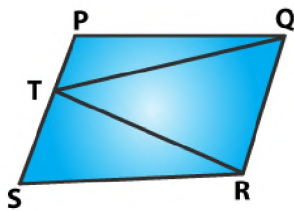
(i)



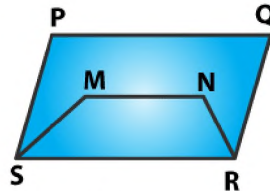
(ii)



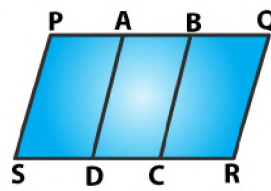
(iii)



(iv)



(v)



(vi)

**Solution:**

**(i)** Triangle APB and trapezium ABCD are on the common base AB and between the same parallels AB and DC.

So,

Common base = AB

Parallel lines: AB and DC

**(ii)** Parallelograms ABCD and APQD are on the same base AD and between the same parallels AD and BQ.

Common base = AD

Parallel lines: AD and BQ

## **Solutions for Class 9 Maths Chapter 15 Area of Parallelogram and Triangles**

**(iii)** Consider, parallelogram ABCD and  $\Delta PQR$ , lies between the same parallels AD and BC. But not sharing common base.

**(iv)**  $\Delta QRT$  and parallelogram PQRS are on the same base QR and lies between same parallels QR and PS.

Common base = QR  
Parallel lines: QR and PS

**(v)** Parallelograms PQRS and trapezium SMNR share common base SR, but not between the same parallels.

**(vi)** Parallelograms: PQRS, AQRD, BCQR are between the same parallels. Also, Parallelograms: PQRS, BPSC, APSD are between the same parallels.