## Areas of Parallelograms and Triangles Ex 15.1 Q1

**Answer :**

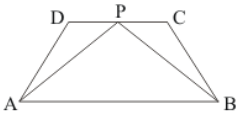
GIVEN: Here in the question figure 1 to 6 are shown.

To Find :

(1) The figures which lie on the same base and between the same parallels.

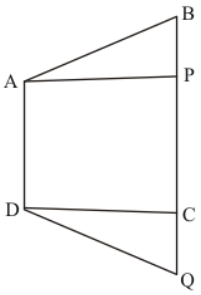
(2) Write the common base and parallels.

**As we know that** *'Two geometric figures are said to be on the same base and between the same parallels, if they have a common side(base) and the vertices (or vertex) opposite to the common base of each figure lie on a line parallel to the base.'*

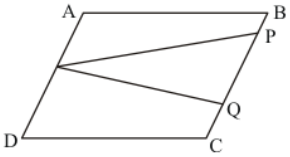



(1) ΔAPB and trapezium ABCD are on the same base CD and between the same parallels AB and CD.

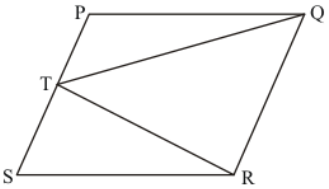
(2) Parallelograms ABCD and APQD are on the same base AD and between the same parallels AD and BQ.



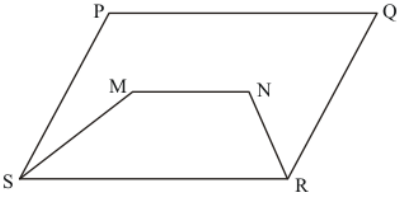

(3) Parallelogram ABCD and ΔPQR are between the same parallels AD and BC,. but they are not on the same base AD



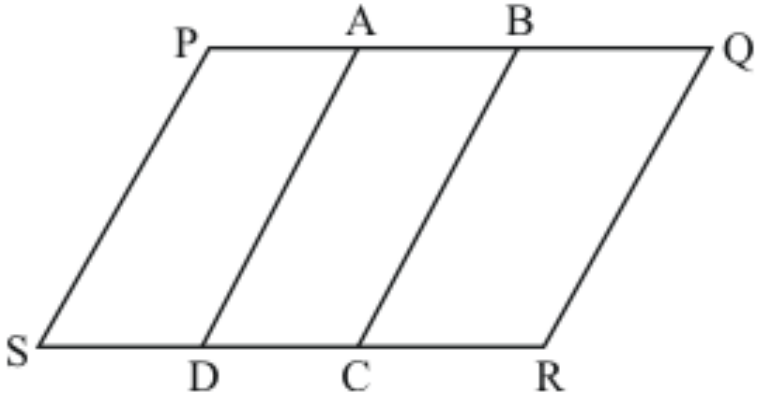

(4) Parallelogram ABCD and ΔPQR are between the same parallels AD and BC,. but they are not on the same base AD .




(5) ΔQRT and Parallelogram PQRS are on the same base QR and between the same parallels PS and QR.




(6) Parallelogram PQRS, AQRD, and BCQR are between the same parallels. Also Parallelogram PQRS, BPSC and APSD are between the same parallels.

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