

## GUIDE CARD

**Parallelogram** is a quadrilateral with two opposite sides that are parallel.

### Properties of parallelogram

1. In a parallelogram, any two opposite sides are congruent.
2. In a parallelogram, any two opposite angles are congruent.
3. In a parallelogram, any two consecutive angles are supplementary.
4. The diagonals of parallelogram bisect each other.
5. A diagonal of a parallelogram forms two congruent triangle.

Direction: Fill in the Correct word to complete the statement. Choose words from the box below.

opposite

Quadrilateral

diagonals

parallelogram

congruent

opposite sides

supplementary

Triangles

parallel

consecutive

### Conditions that Guarantee that a Quadrilateral is a parallelogram.

1. A \_\_\_\_\_ is a parallelogram if both pairs of \_\_\_\_\_ sides are parallel.
2. A quadrilateral is a parallelogram if both pairs of \_\_\_\_\_ are congruent.
3. A quadrilateral is a parallelogram if both pairs of opposite angles are \_\_\_\_\_.
4. A quadrilateral is a parallelogram if any two \_\_\_\_\_ angles are \_\_\_\_\_.
5. A quadrilateral is a parallelogram if the \_\_\_\_\_ bisect each other.
6. A quadrilateral is a parallelogram if each diagonal divides the \_\_\_\_\_ into two congruent \_\_\_\_\_.
6. A quadrilateral is parallelogram if one pair of opposite sides are both congruent and \_\_\_\_\_.