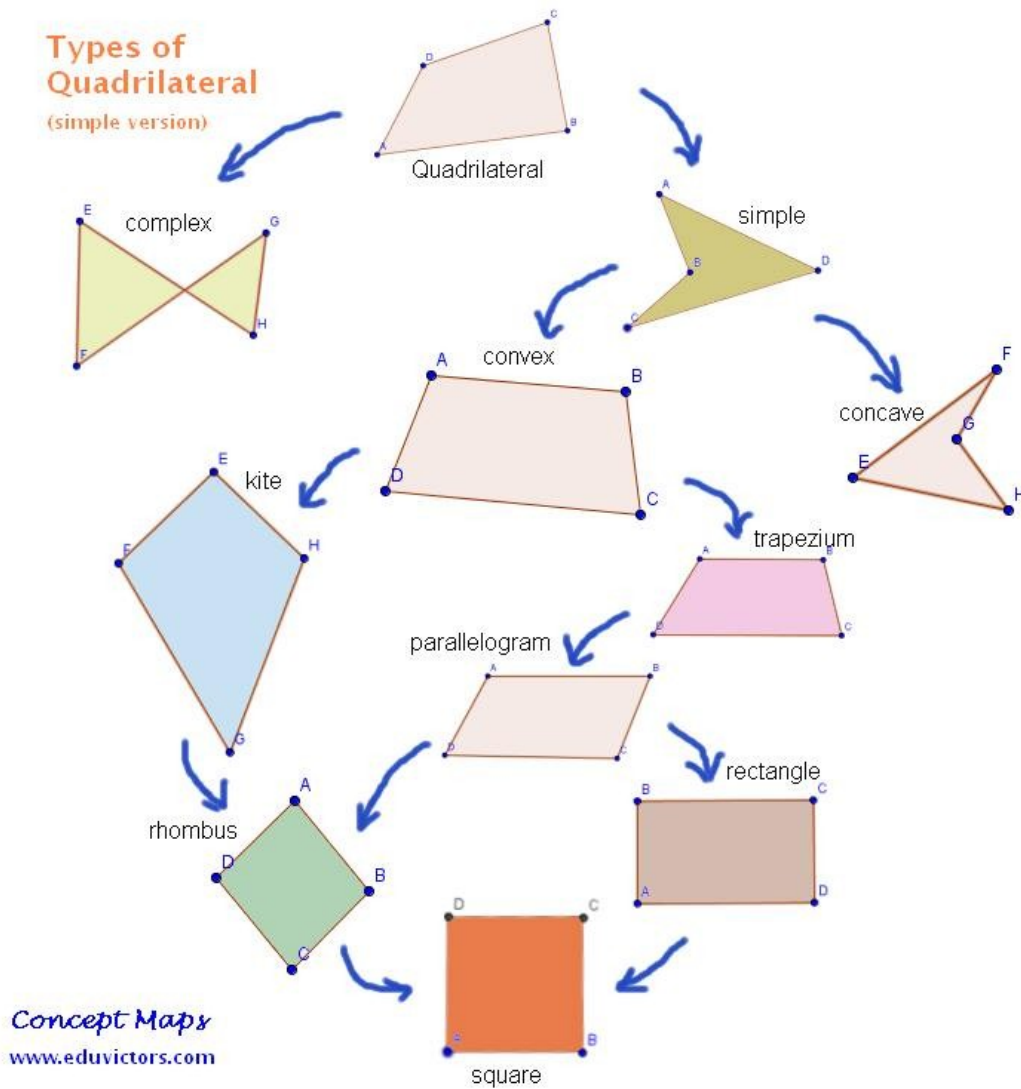


# MATHEMATICS

## QUADRILATERALS



Class 8 – Mathematics

Worksheet

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# Quadrilaterals

## Worksheet based on NCERT Class 8 Maths Chapter

### Fill In the Blanks

1. A quadrilateral has \_\_\_\_\_ sides.
2. A quadrilateral has \_\_\_\_\_ angles.
3. A quadrilateral has \_\_\_\_\_ vertices, no three of which are \_\_\_\_\_.
4. A quadrilateral has \_\_\_\_\_ diagonals.
5. A simple closed curve made up of only \_\_\_\_\_ is called a polygon.
6. A \_\_\_\_\_ is a polygon whose all sides are equal and all angles are equal.
7. The sum of exterior angles taken in an order, of a polygon is \_\_\_\_\_.
8. The sum of interior angles of a quadrilateral is \_\_\_\_\_.
9. The sum of interior angles of a polygon of n sides is \_\_\_\_\_ times straight angles.
10. In quadrilateral ABCD,  $\angle A = 100^\circ$  and  $\angle B = \angle C = \angle D$ . Then  $\angle B = \angle C = \angle D = ?$
11. Angles of a quadrilateral are in the ratio of 2 : 3 : 5 : 8, find the measures of four angles \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.
12. Can a quadrilateral have  $60^\circ$ ,  $80^\circ$ ,  $120^\circ$  and  $130^\circ$  as interior angles? \_\_\_\_\_ (Yes/No)
13. Prove that the sum of the angles of a quadrilateral is  $360^\circ$ .
14. Rukmini has a farm land which is triangular in shape. What is the sum of all the exterior angles taken in an order of the farm land?
15. A triangle is not a polygon (True/False)? \_\_\_\_\_
16. The four angles of a quadrilateral are in the ratio 3 : 4 : 5 : 6. Find the angles.