

UNDERSTANDING QUADRILATERALS**CONVEX AND CONCAVE POLYGON****EXERCISE**

Q.1 Write true or false for the following statements.

- (a) In a convex quadrilateral, there is at least one angle which is less than 180° .
- (b) A quadrilateral may have four acute angles.
- (c) A quadrilateral may have four obtuse angles.
- (d) At least one angle of a concave quadrilateral is more than 180° .
- (e) A line segment joining two points in the interior of a quadrilateral lies entirely within the interior of the quadrilateral.

Q.2 What can you say about the angle sum property of a convex polygon having:

- (a) 9 sides
- (b) 7 sides
- (c) 10 sides
- (d) 12 sides

ANSWER KEY

1. (a) F
(b) F
(c) F
(d) T
(e) T
2. (a) 1260°
(b) 900°
(c) 1440°
(d) 1800°