Quadrilateral Worksheet - 2

1. The three angles of a quadrilateral are 73°, 58° and 106°. Find the measure of the fourth angle.

a) 85°

b) 128°

c) 79°

d) 123°

2. A quadrilateral has three acute angles each measuring 85°. Find the measure of the fourth angles.

a) 88°

b) 105°

c) 75°

d) 123°

3. Three angles of a quadrilateral are equal, and the measure of the fourth angle is 120°. What is the measure of each of the equal angles.

a) 80°

b) 128°

c) 79°

d) 123°

4. Two angles of a quadrilateral measures 65° and 95°. The other two angles are equal. Find the measure of each of these equal angles.

a) 89°

b) 125°

c) 75°

d) 100°

5. The angles of a quadrilateral are in the ratio of 3 : 5 : 7 : 9. Find the measure of the largest angle of the quadrilateral.

a) 85°

b) 135°

c) 79°

d) 125°

6. The angles of a quadrilateral are $5a^{\circ}$, $(3a + 10)^{\circ}$, $(6a - 20)^{\circ}$ and $(a + 25)^{\circ}$. Find the measure of the smallest angle.

a) 85°

b) 128°

c) 48°

d) 123°

7. If the sum of two angles of a quadrilateral is 200°, then what is the sum of remaining two angles?

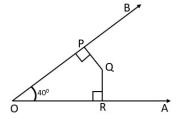
a) 85°

b) 128°

c) 79°

d) 160°

8. Find the measure of $\angle PQR$ in the below given figure.



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a)	80°	b)	140°		
c)	90°	d)	160°		
9. In a quadrilateral PQRS. The angles P, Q, R and S are in the ratio 1:2:4:5. Find the measure of each angle of the quadrilateral.					
a)	30°, 60°, 120°, 160°	b)	30°, 70°, 120°, 150°		
c)	30°, 60°, 120°, 150°	d)	30°, 60°, 125°, 150°		
10. Which of the following diagonals bisect each other?					
a)	Square	b)	Kite		
c)	Trapezium	d)	Quadrilateral		
11. Which of the following diagonals are perpendicular to each other?					
a)	Trapezium	b)	Kite		
c)	Parallelogram	d)	Rectangle		
12. What is the maximum number of obtuse angles that a quadrilateral can have?					
a)	1	b)	2		
c)	3	d)	4		
13. A quadrilateral whose opposite sides and all the angles are equal is known as					
a)	Rectangle	b)	Square		
c)	Parallelogram	d)	Rhombus		
14. A quadrilateral whose all sides, diagonals and angles are equal is a					
a)	Trapezium	b)	Rectangle		
c)	Rhombus	d)	Square		
15. Which of the following can be four interior angles of a quadrilateral?					
a)	30°, 60°, 120°, 160°	b)	30°, 70°, 120°, 150°		
c)	30°, 60°, 120°, 150°	d)	30°, 60°, 125°, 150°		
16. A quadrilateral can have all four angles as obtuse. Mark True / False.					
a)	True	b)	False		
17. A quadrilateral can be drawn, if all four sides and one diagonal is known. Mark True / False.					
a)	True	b)	False		
18. A quadrilateral can be drawn, if all the four angles and one side is given. Mark True / False.					
a)	True	b)	False		

19. A quadrilateral can be drawn, if all the four sides and one angle is known. Mark True / False.					
a)	True	b)	False		
$20.\ A\ quadrilateral\ can\ be\ drawn,\ if\ all\ three\ sides\ and\ two\ diagonals\ are\ given.\ Mark\ True\ /\ False.$					
a)	True	b)	False		