## Quadrilateral Worksheet-2

1. The three angles of a quadrilateral are $73^{\circ}, 58^{\circ}$ and $106^{\circ}$. Find the measure of the fourth angle.
a) $85^{\circ}$
b) $128^{\circ}$
c) $\quad 79^{\circ}$
d) $\quad 123^{\circ}$
2. A quadrilateral has three acute angles each measuring $85^{\circ}$. Find the measure of the fourth angles.
a) $88^{\circ}$
b) $105^{\circ}$
c) $\quad 75^{\circ}$
d) $123^{\circ}$
3. Three angles of a quadrilateral are equal, and the measure of the fourth angle is $120^{\circ}$. What is the measure of each of the equal angles.
a) $80^{\circ}$
b) $128^{\circ}$
c) $\quad 79^{\circ}$
d) $123^{\circ}$
4. Two angles of a quadrilateral measures $65^{\circ}$ and $95^{\circ}$. The other two angles are equal. Find the measure of each of these equal angles.
a) $89^{\circ}$
b) $125^{\circ}$
c) $\quad 75^{\circ}$
d) $100^{\circ}$
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) $85^{\circ}$
b) $135^{\circ}$
c) $\quad 79^{\circ}$
d) $125^{\circ}$
6. The angles of a quadrilateral are $5 a^{\circ},(3 a+10)^{\circ},(6 a-20)^{\circ}$ and $(a+25)^{\circ}$. Find the measure of the smallest angle.
a) $85^{\circ}$
b) $128^{\circ}$
c) $48^{\circ}$
d) $123^{\circ}$
7. If the sum of two angles of a quadrilateral is $200^{\circ}$, then what is the sum of remaining two angles?
a) $85^{\circ}$
b) $128^{\circ}$
c) $\quad 79^{\circ}$
d) $160^{\circ}$
8. Find the measure of $\angle \mathrm{PQR}$ in the below given figure.


Copyright © 2022 LetsPlayMaths.com. All Rights Reserved.
a) $80^{\circ}$
b) $140^{\circ}$
c) $90^{\circ}$
d) $160^{\circ}$
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) $30^{\circ}, 60^{\circ}, 120^{\circ}, 160^{\circ}$
b) $\quad 30^{\circ}, 70^{\circ}, 120^{\circ}, 150^{\circ}$
c) $30^{\circ}, 60^{\circ}, 120^{\circ}, 150^{\circ}$
d) $30^{\circ}, 60^{\circ}, 125^{\circ}, 150^{\circ}$
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 $\qquad$ .
a) Rectangle
b) Square
c) Parallelogram
d) Rhombus
14. A quadrilateral whose all sides, diagonals and angles are equal is a $\qquad$ .
a) Trapezium
b) Rectangle
c) Rhombus
d) Square
15. Which of the following can be four interior angles of a quadrilateral?
a) $30^{\circ}, 60^{\circ}, 120^{\circ}, 160^{\circ}$
b) $\quad 30^{\circ}, 70^{\circ}, 120^{\circ}, 150^{\circ}$
c) $30^{\circ}, 60^{\circ}, 120^{\circ}, 150^{\circ}$
d) $30^{\circ}, 60^{\circ}, 125^{\circ}, 150^{\circ}$
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

