MATHS

BOOKS - CHETANA MATHS (MARATHI ENGLISH)

QUADRILATERALS

Example

1. Find diagonal of square with side 8 cm.

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2. In rectangle PQRS, $PR = 6cm$, then find QS

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3. In parallelogram ABCD, if $\angle A = 75°$, find $\angle B$.

4. Diagonals of Rhombus MNPQ intersect at point T,find $\angle MTN$.

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5. Write all types of quadrilaterals.

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6. One side of a square is 5.5 cm. What is its perimeter?

7. In a triangle, segment joining mid points of any two sides is…………..of third side and ………to third side. (Fill in the blanks and state the theorem)

8. Draw a trapezium. Write names of its parallel sides.

9. Diagonal of a square is $10\sqrt{2}$cm. Find its side.

10. List the quadrilaterals with equal diagonals.

11. Adjacent sides of rectangle are 9 cm and 40 cm. Find diagonal.

12. Diagonal of square is $2\sqrt{2}$cm. Find its side and perimeter.

13. Diagonals of rhombus are 12 cm and 16 cm. Find its side.

14. In parallelogram ABCD, $\angle A : \angle B = 1 : 2$.

Find $\angle C$, $\angle D$.

15. Opposite angles of rhombus are

$3x°$ and $(4x - 15)°$. Find x.

16. Diagonals of a square are 13 cm. Find its side.

17. Diagonals of a rectangle ABCD intersect at point P, $\angle BPC = 50°$. Find $\angle PAD$.

18. Find perimeter of rhombus with side = 14 cm.

19. Ratio of adjacent angles of a parallelogram is 2:3. Find its angles.

20. Find perimeter of square whose diagonal is

$12\sqrt{2}.$