



1. Which of the following have point symmetry ?

- a) trapezium
- b) quadrilateral
- c) square
- d) rhombus
- e) parallelogram
- f) rectangle

(i) {c,d,e,f} (ii) {b,d} (iii) {a,c} (iv) {a,b,e} (v) {a,f,c}

2. Which of the following statements are true?

- a) A parallelogram is a rhombus
- b) A parallelogram is a trapezium
- c) A trapezium is a parallelogram
- d) A rectangle is a parallelogram
- e) A rhombus is a square
- f) A square is a rectangle
- g) A square is a rhombus

(i) {b,d,f,g} (ii) {a,b} (iii) {e,a,f} (iv) {c,g,b} (v) {c,d}

3. Every rhombus is a

- a) rectangle
- b) triangle
- c) parallelogram
- d) trapezium
- e) square

(i) {c,d} (ii) {a,c} (iii) {b,d} (iv) {e,a,c} (v) {b,d,c}

4. The diagonals are equal in a

- a) rectangle
- b) square
- c) trapezium
- d) parallelogram
- e) rhombus

(i) {d,b,a} (ii) {d,b} (iii) {e,c,a} (iv) {a,b} (v) {c,a}

5. Sum of the interior angles in a quadrilateral is

(i) 370° (ii) 390° (iii) 365° (iv) 375° (v) 360°

6. How many diagonals does a quadrilateral have?

(i) 2 (ii) 3 (iii) 1 (iv) 4 (v) 0

7. Which of the following are true?

- a) A square is a rectangle
- b) A rectangle is a square
- c) A parallelogram is a square
- d) A square is a rhombus
- e) A rhombus is a square

(i) {e,b,a} (ii) {b,a} (iii) {c,d} (iv) {a,d} (v) {c,d,a}

8. Which of the following are true?

- a) A square is a parallelogram
- b) A parallelogram is a square
- c) A parallelogram is a rectangle
- d) A rectangle is a parallelogram
- e) A rectangle is a square

(i) {b,a} (ii) {a,d} (iii) {c,d,a} (iv) {e,b,a} (v) {c,d}

9. Which of the following are true?

- a) A rhombus is a trapezium
- b) A parallelogram is a trapezium
- c) A trapezium is a parallelogram
- d) A trapezium is a rhombus
- e) A rectangle is a square

(i) {d,b,a} (ii) {a,b} (iii) {c,a} (iv) {d,b} (v) {e,c,a}

10. Which of the following are true?

- a) A kite is a rhombus
- b) A trapezium is a parallelogram
- c) A rhombus is a kite
- d) A rhombus is a parallelogram
- e) A parallelogram is a rhombus

(i) {a,c} (ii) {b,d,c} (iii) {e,a,c} (iv) {b,d} (v) {c,d}

11. Which of the following are true?

- a) A parallelogram is a rhombus
- b) A trapezium is a square
- c) A rectangle is a rhombus
- d) A square is a rectangle
- e) A square is a trapezium

(i) {a,d} (ii) {d,e} (iii) {c,a,d} (iv) {b,e,d} (v) {b,e}

12. The quadrilateral whose diagonals are equal and are perpendicular bisectors is a

(i) trapezium (ii) square (iii) parallelogram (iv) rectangle (v) rhombus

13. The diagonals do not divide the quadrilateral into congruent triangles in which figure?

(i) square (ii) parallelogram (iii) trapezium (iv) rhombus (v) rectangle

14. Name all quadrilaterals whose diagonals are equal

(i) square,kite (ii) square,rectangle (iii) square,parallelogram (iv) square,rhombus (v) rectangle,rhombus

15. Name all quadrilaterals whose diagonals bisect each other
(i) square,rectangle (ii) parallelogram,square,rhombus,rectangle (iii) square,parallelogram
(iv) rectangle,rhombus (v) square,rhombus
16. Name all quadrilaterals whose diagonals are perpendicular and bisect each other
(i) square,rhombus (ii) parallelogram,square,rhombus,rectangle (iii) square,rectangle (iv) square,kite
(v) square,parallelogram
17. Name all quadrilaterals whose opposite sides are equal
(i) rectangle,rhombus (ii) square,parallelogram (iii) square,rectangle (iv) square,rhombus
(v) parallelogram,square,rhombus,rectangle
18. Name all quadrilaterals whose opposite sides are parallel
(i) square,rhombus (ii) parallelogram,square,rhombus,rectangle (iii) square,parallelogram (iv) square,kite
(v) square,rectangle
19. Name all quadrilaterals whose all sides are equal
(i) square,rhombus (ii) square,parallelogram (iii) parallelogram,square,rhombus,rectangle (iv) square,kite
(v) square,rectangle
20. Name all quadrilaterals whose all angles are right angles
(i) square,rhombus (ii) square,rectangle (iii) rectangle,rhombus
(iv) parallelogram,square,rhombus,rectangle (v) square,kite
21. Name all quadrilaterals whose opposite angles are equal
(i) square,rhombus (ii) square,parallelogram (iii) square,kite (iv) square,rectangle
(v) parallelogram,square,rhombus,rectangle
22. Name all quadrilaterals whose all angles are equal
(i) parallelogram,square,rhombus,rectangle (ii) rectangle,rhombus (iii) square,parallelogram
(iv) square,kite (v) square,rectangle
23. Name all quadrilaterals whose adjacent angles are supplementary
(i) square,rectangle (ii) square,kite (iii) square,parallelogram (iv) parallelogram,square,rhombus,rectangle
(v) square,rhombus
24. Which of the following is a regular polygon with four sides?
(i) trapezium (ii) rectangle (iii) rhombus (iv) square (v) parallelogram
25. Which of the following statements are true?
a) In a parallelogram, adjacent angles are complementary
b) In a parallelogram, adjacent angles are supplementary
c) In a parallelogram, both adjacent angles can be acute
d) In a parallelogram, both adjacent angles can be obtuse
e) In a parallelogram, both adjacent angles can be right angles

(i) {a,b} (ii) {c,e,b} (iii) {d,a,b} (iv) {b,e} (v) {c,e}

26. Which of the following properties apply for a parallelogram ?

- a) Diagonals bisect each other
- b) Diagonals are equal to each other
- c) Diagonals are perpendicular to each other
- d) Adjacent angles are supplementary
- e) Opposite sides are equal
- f) Opposite angles are equal

(i) {b,f,a} (ii) {b,a} (iii) {b,c,e} (iv) {c,d} (v) {a,d,e,f}

27. Which of the following properties apply for a trapezium ?

- (i) Diagonals are equal (ii) Adjacent angles are supplementary (iii) Both adjacent angles are obtuse
- (iv) One pair of opposite sides are parallel (v) Diagonals bisect each other

28. Which of the following properties apply for a kite ?

- (i) Opposite sides are parallel (ii) Opposite sides are equal (iii) Diagonals are equal
- (iv) Diagonals are perpendicular (v) Adjacent angles are equal

29. Which of the following properties apply for a rhombus ?

- a) Adjacent angles are equal
- b) Diagonals are equal
- c) Diagonals bisect each other
- d) Opposite sides are parallel
- e) Opposite angles are equal
- f) Adjacent sides are equal
- g) Opposite sides are equal

(i) {a,c} (ii) {a,b,e} (iii) {c,d,e,f,g} (iv) {b,d} (v) {a,f,g}

30. Which of the following properties apply for a rectangle ?

- a) Opposite sides are parallel
- b) Opposite sides are equal
- c) Diagonals are equal
- d) Diagonals bisect each other
- e) Opposite angles are equal
- f) Adjacent sides are equal
- g) Adjacent angles are equal

(i) {f,d,e} (ii) {f,b} (iii) {a,b,c,d,e,g} (iv) {f,c} (v) {f,a}

31. Which of the following statements are true?

- a) Every rhombus is a parallelogram
- b) Every square is a rectangle
- c) Every parallelogram is a rectangle
- d) Every parallelogram is a trapezium
- e) Every square is a rhombus
- f) Every rectangle is a rhombus
- g) Every rectangle is a parallelogram

(i) {c,f,d} (ii) {c,e,g} (iii) {c,a} (iv) {f,b} (v) {a,b,d,e,g}

32. The figure formed by successively joining the mid-points of the sides of a parallelogram is

- (i) square (ii) parallelogram (iii) rhombus (iv) rectangle

33. The figure formed by successively joining the mid-points of the sides of a rectangle is

- (i) square (ii) rectangle (iii) rhombus (iv) parallelogram

34. The figure formed by successively joining the mid-points of the sides of a rhombus is

- (i) rectangle (ii) parallelogram (iii) rhombus (iv) square

Assignment Key

1) (i)	2) (i)	3) (i)	4) (iv)	5) (v)	6) (i)
7) (iv)	8) (ii)	9) (ii)	10) (v)	11) (ii)	12) (ii)
13) (iii)	14) (ii)	15) (ii)	16) (i)	17) (v)	18) (ii)
19) (i)	20) (ii)	21) (v)	22) (v)	23) (iv)	24) (iv)
25) (iv)	26) (v)	27) (iv)	28) (iv)	29) (iii)	30) (iii)
31) (v)	32) (ii)	33) (iii)	34) (i)		