

12. How many diagonals are there in a pentagon?

- a) 4
- b) 5
- c) 6
- d) 7

13. How many diagonals are there in an octagon?

- a) 10
- b) 15
- c) 18
- d) 20

14. How many diagonals are there in a polygon having 12 sides?

- a) 48
- b) 50
- c) 54
- d) 56

15. A polygon is having 27 diagonals. How many sides does it have?

- a) 6
- b) 7
- c) 8
- d) 9

16. A regular polygon is having exterior angle 35° . What will be its interior angle?

- a) 120°
- b) 135°
- c) 145°
- d) 155°

17. A regular polygon having 8 sides, find the exterior angles.

- a) 30°
- b) 45°
- c) 55°
- d) 65°

18. A regular polygon having 12 sides, find the interior angles.

- a) 130°
- b) 30°
- c) 150°
- d) 60°

19. Each interior angle of a regular decagon is equal to _____.

- a) 130°
- b) 144°
- c) 150°
- d) 36°

20. What is the sum of all interior angles of a regular pentagon?

- a) 130°
- b) 540°
- c) 450°
- d) 360°