



1. Sum of the interior angles in a quadrilateral is

- (i)  $390^\circ$  (ii)  $360^\circ$  (iii)  $370^\circ$  (iv)  $375^\circ$  (v)  $365^\circ$

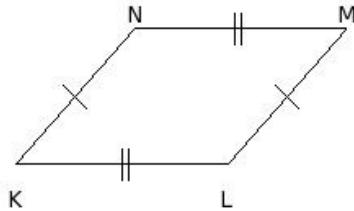
2. Sum of the interior angles in a heptagon is

- (i)  $900^\circ$  (ii)  $905^\circ$  (iii)  $915^\circ$  (iv)  $910^\circ$  (v)  $930^\circ$

3. Find the number of sides in a regular polygon if each exterior angle is  $36^\circ$

- (i) 7 (ii) 11 (iii) 13 (iv) 9 (v) 10

4. Identify the figure below

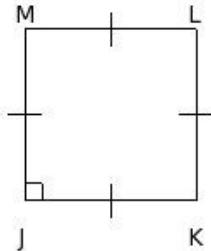


- (i) circle (ii) kite (iii) triangle (iv) angle (v) parallelogram

5. Sum of the interior angles in a nonagon is

- (i)  $1290^\circ$  (ii)  $1270^\circ$  (iii)  $1260^\circ$  (iv)  $1275^\circ$  (v)  $1265^\circ$

6. Identify the figure below

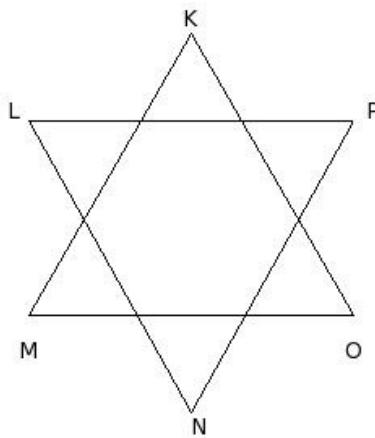


- (i) square (ii) circle (iii) quadrilateral (iv) rhombus (v) angle

7. Sum of the interior angles in a decagon is

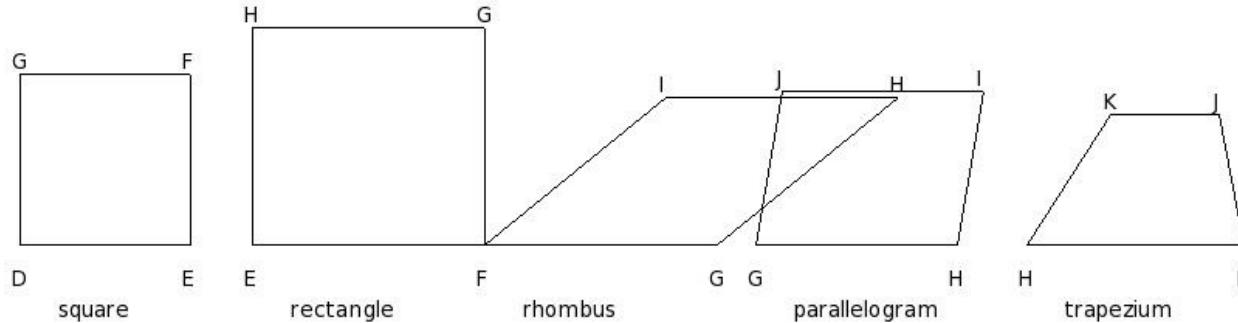
- (i)  $1440^\circ$  (ii)  $1450^\circ$  (iii)  $1455^\circ$  (iv)  $1445^\circ$  (v)  $1470^\circ$

8. In the given two equilateral triangles, find  $\angle K + \angle M + \angle O + \angle L + \angle N + \angle P$ .



- (i)  $360^\circ$  (ii)  $361^\circ$  (iii)  $358^\circ$  (iv)  $362^\circ$  (v)  $359^\circ$

9. Which of the following figures is a regular quadrilateral?



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

10. The value of each exterior angle in an n-sided regular polygon is

$$(i) \left(\frac{360}{n}\right)^\circ \quad (ii) \left(\frac{n}{360}\right)^\circ \quad (iii) \left[\frac{(2n - 4) \times 180}{n}\right]^\circ \quad (iv) \left[\frac{(2n - 4) \times 90}{n}\right]^\circ$$

11. How many diagonals does a pentagon have?

- (i) 5 (ii) 7 (iii) 6 (iv) 4 (v) 2

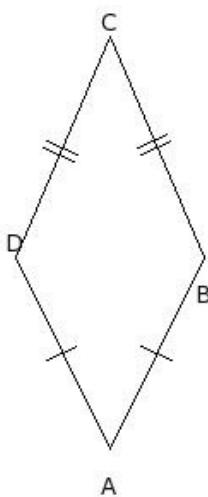
12. Sum of the interior angles in a pentagon is

- (i)  $540^\circ$  (ii)  $555^\circ$  (iii)  $570^\circ$  (iv)  $545^\circ$  (v)  $550^\circ$

13. How many diagonals does a heptagon have?

- (i) 13 (ii) 15 (iii) 12 (iv) 16 (v) 14

14. Identify the figure below



- (i) parallelogram (ii) circle (iii) rectangle (iv) square (v) kite

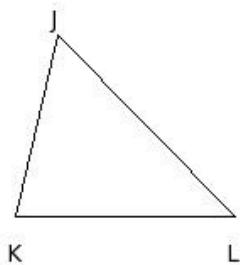
15. How many diagonals does an octagon have?

- (i) 19 (ii) 22 (iii) 20 (iv) 21 (v) 18

16. Sum of the interior angles in a triangle is

- (i)  $195^\circ$  (ii)  $210^\circ$  (iii)  $190^\circ$  (iv)  $180^\circ$  (v)  $185^\circ$

17. Identify the figure below



- (i) pentagon (ii) hexagon (iii) triangle (iv) decagon (v) octagon

18. The angles of a quadrilateral EFGH are in the ratio  $6 : 7 : 8 : 15$ . Find the measure of each angle of the quadrilateral.

- (i)  $E=62^\circ, F=69^\circ, G=78^\circ, H=151^\circ$  (ii)  $E=60^\circ, F=70^\circ, G=80^\circ, H=150^\circ$  (iii)  $E=61^\circ, F=69^\circ, G=82^\circ, H=148^\circ$   
(iv)  $E=58^\circ, F=72^\circ, G=79^\circ, H=151^\circ$  (v)  $E=59^\circ, F=68^\circ, G=81^\circ, H=152^\circ$

19. How many diagonals does a quadrilateral have?

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

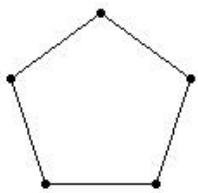
20. The value of the exterior angle in a regular polygon when the interior angle is given

- (i)  $180^\circ +$  (interior angle) (ii)  $180^\circ -$  (interior angle) (iii)  $360^\circ -$  (interior angle) (iv)  $90^\circ +$  (interior angle)

21. Sum of the interior angles in a hexagon is

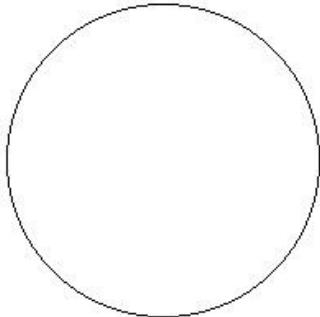
- (i)  $750^\circ$  (ii)  $725^\circ$  (iii)  $735^\circ$  (iv)  $720^\circ$  (v)  $730^\circ$

22. Identify the figure below



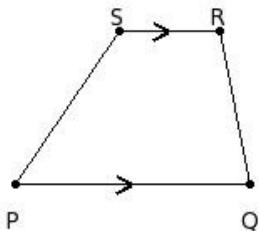
- (i) quadrilateral (ii) heptagon (iii) octagon (iv) pentagon (v) triangle

23. Identify the figure below



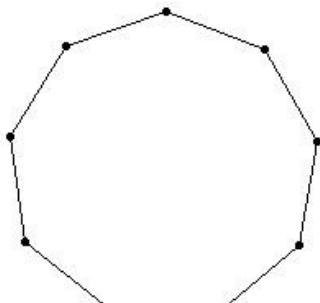
- (i) octagon (ii) circle (iii) angle (iv) triangle (v) pentagon

24. Identify the figure below



- (i) parallelogram (ii) square (iii) kite (iv) trapezium (v) rectangle

25. Identify the figure below



- (i) nonagon (ii) hexagon (iii) octagon (iv) quadrilateral (v) heptagon

## Assignment Key

1) (ii)	2) (i)	3) (v)	4) (v)	5) (iii)	6) (i)
7) (i)	8) (i)	9) (ii)	10) (i)	11) (i)	12) (i)
13) (v)	14) (v)	15) (iii)	16) (iv)	17) (iii)	18) (ii)
19) (iv)	20) (ii)	21) (iv)	22) (iv)	23) (ii)	24) (iv)
25) (i)					

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