

Worksheet – Angles

Part A – Quick Computation

1. Find the complement of 54° .
2. Find the supplement of 127° .
3. If one angle of a straight line is 72° , what is the other?
4. Two angles at a point are 110° and 95° . Find the third angle.
5. In a triangle, two angles measure 58° and 67° . Find the third angle.
6. One angle of a triangle is 90° , and another is 32° . Find the third angle.
7. Find the sum of the interior angles of a hexagon.
8. How many sides does a polygon have if the sum of its interior angles is 900° ?

9. Find each interior angle of a regular pentagon.

10. Find each exterior angle of a regular decagon.

Part B – Word Problems

11. The supplement of an angle is 124° . What is the angle?

12. The complement of an angle is 18° . What is the angle?

13. In a quadrilateral, three angles measure 85° , 95° , and 110° . Find the fourth angle.

14. An angle is twice its complement. Find the angle.

15. An angle is 30° more than its supplement. Find the angle.

16. One angle of a triangle is 50° . The other two angles are equal. Find the angles of the triangle.

17. In a regular hexagon, find one interior and one exterior angle.

18. A polygon has each interior angle 135° . How many sides does it have?

19. The difference between an angle and its complement is 26° . Find the angle.

20. A reflex angle is 250° . Find its corresponding smaller angle.

Part C-

21. In a quadrilateral, one angle is 90° . The other three are equal. Find each of the equal angles.

22. A triangle has angles in the ratio $2 : 3 : 4$. Find the three angles.

23. The sum of two supplementary angles is 180° . If one angle is 4 times the other, find both.

24. A regular polygon has each exterior angle 24° . How many sides does it have?

25. A regular polygon has an interior angle of 162° . Find the number of sides of the polygon.