

Interpreting Geometry Word Problems

Draw the diagram for each.

1. AB and CD are lines that **meet** at O, where $\angle AOC = 43^\circ$.
2. Triangle ABC is an **isosceles** triangle where $AC = AB = 5$ cm.
3. Lines PQ and RS are **parallel** and cut by a **transversal** at P and R respectively.
4. XYZ is a **scalene** triangle with all sides **produced** in both directions.
5. OM **bisects** $\angle AOB$.
6. ABCD is a square. Its **diagonals** intersect at M.
7. Triangle XYZ is isosceles with $XZ = XY$ and YZ **extended** to M.
8. ABCD is a square. AN is a line segment, where N is the **midpoint** of CD.
9. PQRS is a square. Point A **divides** PQ in the **ratio** 1:2 while B divides QR in the ratio 2:1.
10. Triangle ABC is an **equilateral triangle** with AB **produced** to D to form the **external angle** CBD.