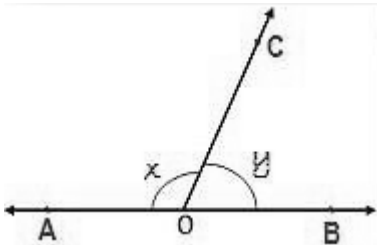


Board – ICSE

Class – 7th

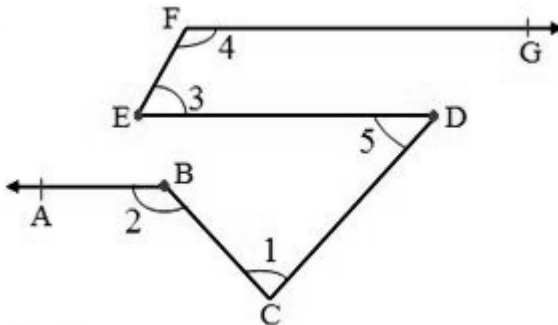
Topic – Lines and Angles

- Find the supplement of the angle $(20 + y)^\circ$. [[$(160 - y)^\circ$]
- Find the complement of the angle $\frac{2}{3}$ of 90° . [30°]
- Find the supplement of the angle $\frac{4}{5}$ of 90° . [108°]
- The measure of two complementary angles are $(2x - 7)^\circ$ and $(x + 4)^\circ$. Find the value of x . [31°]
- The difference between the two complementary angles is 180° . Find the measure of the angle. [$36^\circ, 54^\circ$]
- In the given figure, $\angle AOC$ and $\angle BOC$ form a linear pair if $x - y = 60^\circ$, find the value of x and y .



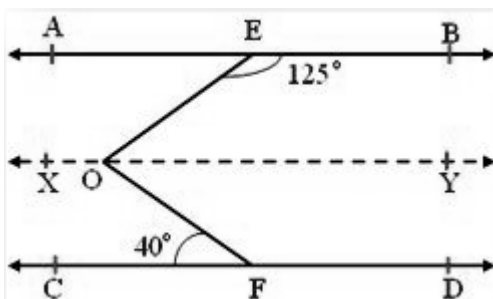
[$x = 120^\circ, y = 60^\circ$]

- In the given figure, $AB \parallel ED$, $ED \parallel FG$, $EF \parallel CD$. Also, $\angle 1 = 60^\circ$, $\angle 3 = 55^\circ$, then find $\angle 2$, $\angle 4$, $\angle 5$.



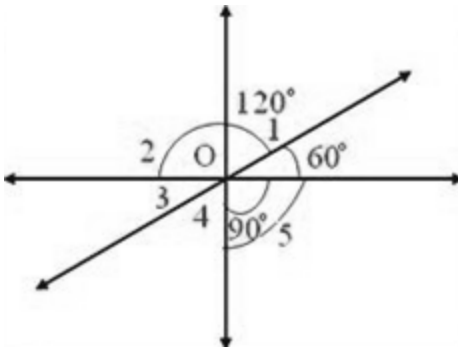
[$2 = 115^\circ, \angle 4 = 125^\circ, \angle 5 = 55^\circ$]

- In the given figure $AB \parallel CD$, $\angle BEO = 125^\circ$, $\angle CFO = 40^\circ$. Find the measure of $\angle EOF$.



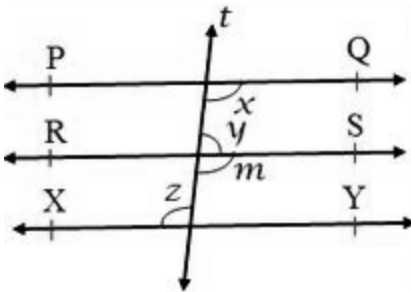
[$\angle EOF = 95^\circ$]

9. In the given figure, find the measure of unknown angles.



$$[\angle 3 = 60^\circ, \angle 2 = 90^\circ, \angle 1 = 30^\circ, \angle 4 = 30^\circ]$$

10. In the given figure $PQ \parallel XY$. Also, $y : z = 4 : 5$ find x, y, z .



$$[\angle x = 100^\circ, \angle y = 80^\circ, \angle z = 100^\circ]$$