Subject: - Mathematics
Topic: - Lines & Angles

PRACTICE PAPER (MCQ) CBSE-7th

1. $\angle A$ and $\angle B$ are complementary angles. If $\angle A = 7° + 4x$ and $\angle B = x + 23°$, Which is a true statement? **Ans. (a)**

a) $\angle A$ is acute b) $\angle A$ and $\angle B$ are $45°$ each

c) $\angle A$ is obtuse d) $\angle B$ is greater than $\angle A$

2. Two lines that are cut by a transversal are parallel if, co-interior angles are _____.

3.Two angles are vertically opposite to each other and are supplementary. The angles are: -

a) $150°, 30°$ b) $120°, 60°$ c) $90°, 90°$ d) $45°, 135°$ **Ans. (c)**

4.Two supplementary angles are in the ratio 3 : 2. The smaller angle measure: - **Ans. (c)**

a) $108°$ b) $81°$ c) $72°$ d) $68°$

5.$\angle A$ is an obtuse angle. The measure of $\angle A$and twice its supplementary differ by $30°$. Then $\angle A$ can be: **Ans. (b)**

a) $150°$ b) $110°$ c) $140°$ d) $120°$

6.In the adjoining figure, it is given that $\angle A = 60°$, $CE \parallel BA$ and $\angle ECD = 65°$. Then $\angle ACB$ equals. **Ans. (b)**

a) $60°$ b) $55°$ c) $70°$ d) $90°$

7. If $L \parallel M$, find x. **Ans. (d)**

a) $115°$ b) $295°$ c) $195°$ d) $245°$

8.In figure, if AOC is a straight line, then x = ? **Ans. (b)**

a) $42°$ b) $52°$ c) $142°$ d) $38°$

9. In figure, if AB, CD and EF are straight lines, then $x + y + z = ?$ **Ans. (b)**

a) 180 b) 203 c) 213 d) 134

10. in figure, if $AB \parallel CD$, then the value of $\angle BPE$ is: - **Ans. (c)**

a) $106°$ b) $76°$ c) $74°$ d) $84°$