

RD Sharma
Solutions

Class 7

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OBJECTIVE TYPE QUESTIONS

Mark the correct alternative in each of the following:

- The sum of an angle and one third of its supplementary angle is 90° . The measure of the angle is
 (a) 135° (b) 120° (c) 60° (d) 45°
- If angles of a linear pair are equal, then the measure of each angle is
 (a) 30° (b) 45° (c) 60° (d) 90°
- Two complementary angles are in the ratio 2 : 3. The measure of the larger angle is
 (a) 60° (b) 54° (c) 66° (d) 48°
- An angle is thrice its supplement. The measure of the angle is
 (a) 120° (b) 105° (c) 135° (d) 150°
- In Fig. 88 PR is a straight line and $\angle PQS : \angle SQR = 7 : 5$. The measure of $\angle SQR$ is
 (a) 60° (b) $62\frac{1}{2}^\circ$ (c) $67\frac{1}{2}^\circ$ (d) 75°

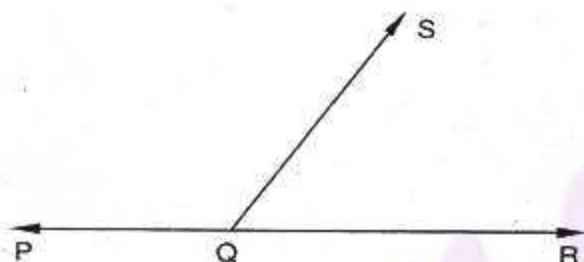


Fig. 88

- The sum of an angle and half of its complementary angle is 75° . The measure of the angle is
 (a) 40° (b) 50° (c) 60° (d) 80°
- $\angle A$ is an obtuse angle. The measure of $\angle A$ and twice its supplementary differ by 30° . Then, $\angle A$ can be
 (a) 150° (b) 110° (c) 140° (d) 120°
- An angle is double of its supplement. The measure of the angle is
 (a) 60° (b) 120° (c) 40° (d) 80°
- The measure of an angle which is its own complement is
 (a) 30° (b) 60° (c) 90° (d) 45°
- Two supplementary angles are in the ratio 3 : 2. The smaller angle measures
 (a) 108° (b) 81° (c) 72° (d) 68°
- In Fig. 89, the value of x is
 (a) 75 (b) 65 (c) 45 (d) 55

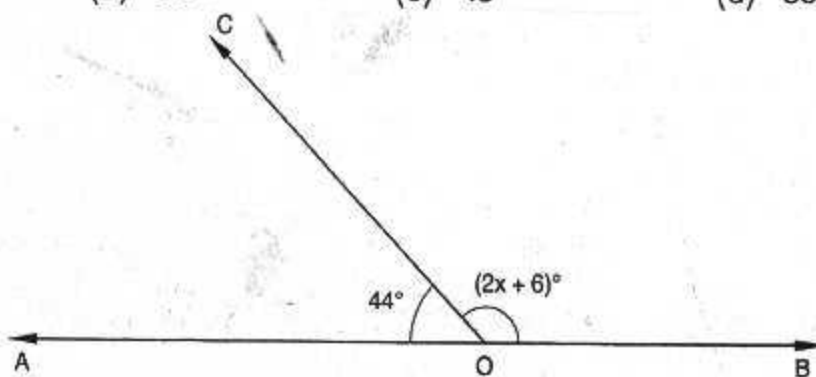


Fig. 89

12. In Fig. 90, AOB is a straight line and the ray OC stands on it. The value of x is
 (a) 16 (b) 26 (c) 36 (d) 46

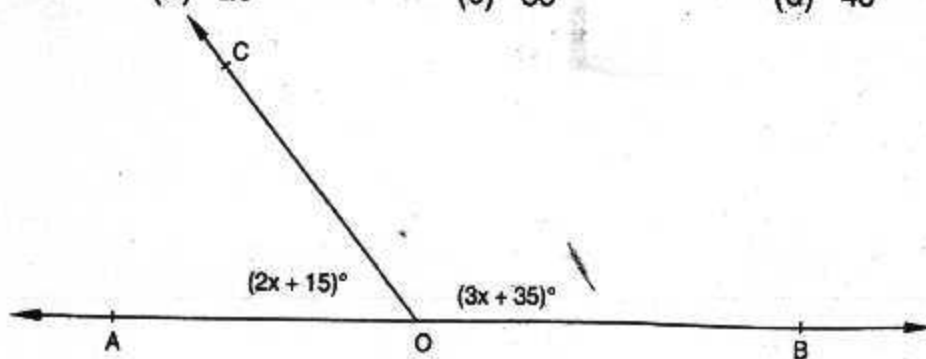


Fig. 90

13. In Fig. 91, AOB is a straight line and $4x = 5y$. The value of x is
 (a) 100 (b) 105 (c) 110 (d) 115

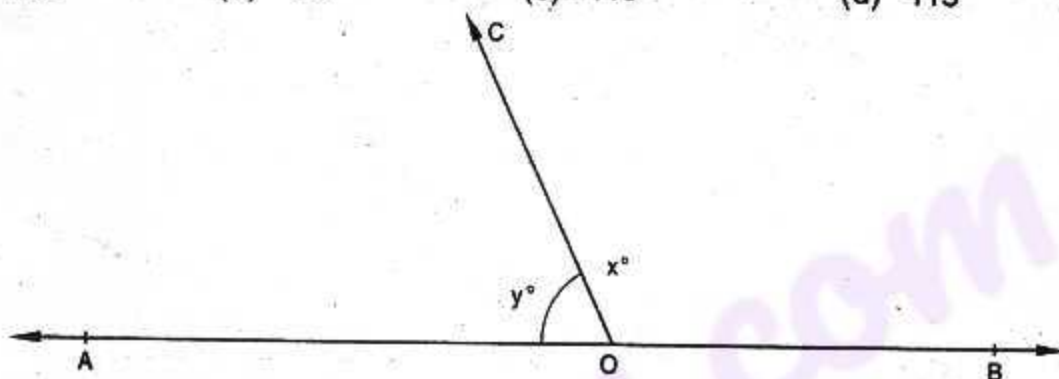


Fig. 91

14. In Fig. 92, AOB is a straight line such that $\angle AOC = (3x + 10)^\circ$, $\angle COD = 50^\circ$ and $\angle BOD = (x - 8)^\circ$. The value of x is
 (a) 32 (b) 36 (c) 42 (d) 52

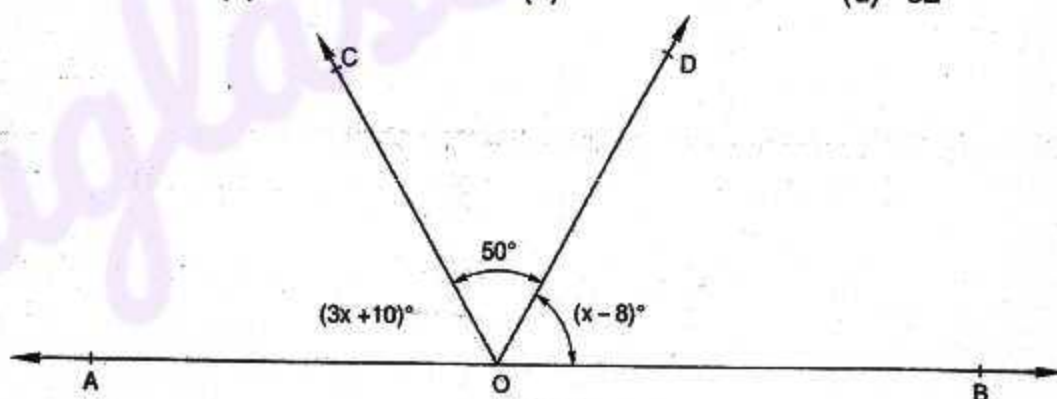


Fig. 92

15. In Fig. 93, if AOC is a straight line, then $x =$
 (a) 42° (b) 52° (c) 142° (d) 38°

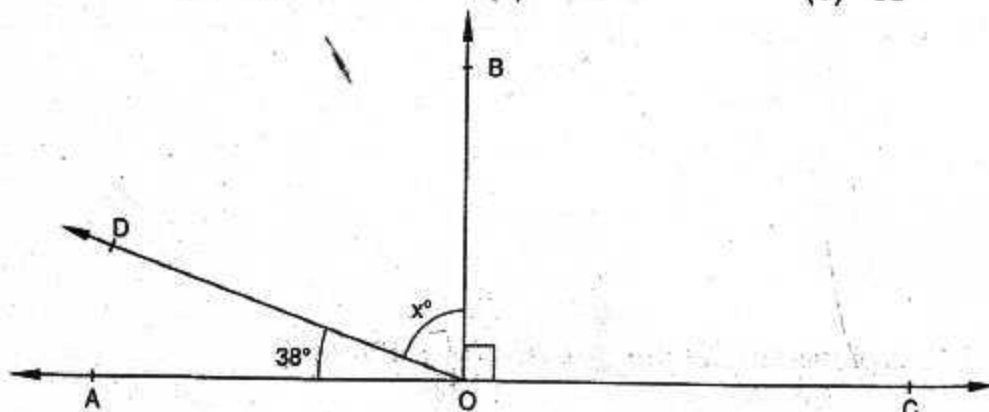


Fig. 93