St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi – 110092

Session: 2024-2025 - Worksheet

Class: VII	Subject: Mathematics	Topic: Pairs Of Angles	Worksheet No: 11

MULTIPLE CHOICE QUESTIONS.

Q1: Which of the following statements is true?

(a) Two adjacent angles can be complementary.

(b) Two adjacent angles cannot be supplementary

(c) An acute angle cannot be adjacent to an obtuse angles.

(d) Two right angles cannot be adjacent angles

Q2: Which of the following statements is false?

(a) When a transversal cuts two parallel lines, each pair of corresponding angles are equal.

(b) When a transversal cuts two parallel lines, each pair of alternate interior angles are equal.

(c) When a transversal cuts two parallel lines, each pair of interior angles on the same side of the transversal are supplementary.

(d) A transversal cuts two parallel lines in three points

Q3: Which of the following statements is false?

(a) When a transversal cuts two lines, such that pairs of corresponding angles are equal, then the lines have to be parallel.

(b) When a transversal cuts two lines such that pairs of alternate interior angles are equal, then the lines have to be parallel.

(c) When a transversal cuts two lines such that pairs of interior angles on the same side of the transversal are supplementary, then the lines have to be parallel.

(d) When a transversal cuts two lines such that pairs of interior angles on the same side of the transversal are complementary, then the lines have to be parallel

Q4: If two adjacent angles are supplementary, they form a ———-

(a) Vertically opposite angles

(b) Linear pair

(c) Intersecting lines

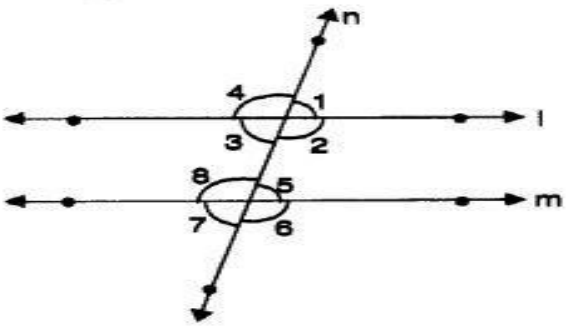
(d) Complementary angles

Q5: When two lines intersect, the ———- angles so formed are equal.

(a) Acute
(b) a Reflex
(c) Vertical

(d) Straight

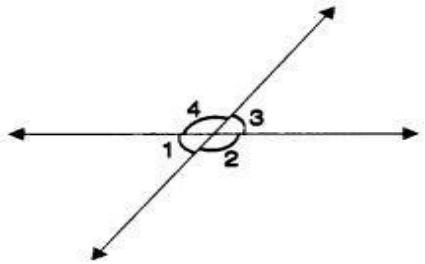
Q6: In the following figure, tell which pair of angles are not corresponding angles?



(a) ∠1, ∠5
(b) ∠2, ∠6
(c) ∠3, ∠7
(d) ∠3, ∠5

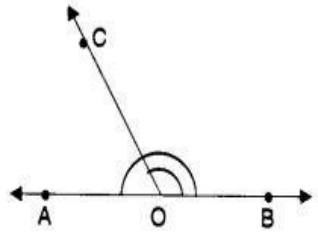
Q7: Find the measure of the angle which is half of its supplementary angle?
(a) 60°
(b) 120°
(c) 90°
(d) 45°

Q8: In the following figure, ∠1 + ∠2 + ∠3 = 230°, then the measure of ∠4 is equal to



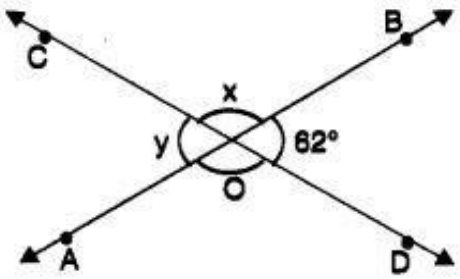
(a) 130°
(b) 80°
(c) 65°
(d) 90°

Q9: In the following figure, ∠ AOB and ∠ BOC are



(a) complementary angles
(b) supplementary angles
(c) adjacent angles
(d) none of these

Q10: In the following figure, two straight lines AB and CD are intersecting each other at the point O and the angles thus formed at O are marked, then the value of ∠x – ∠y is_____.



(a) 56°
(b) 118°
(c) 62°
(d) 180°