



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 13.07.20

Duration: 40 min

Worksheet 55

Full Marks: 15

LINES AND ANGLES

Choose the Correct options:

1. An angle whose magnitude lies between 180° and 360° is called _____

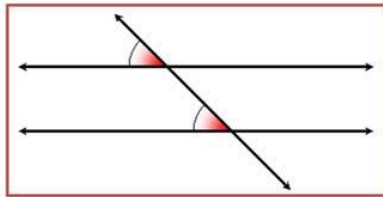
- (a) Obtuse Angle
- (b) Wide angle
- (c) Reflex angle
- (d) Complete angle

2. α and β are supplementary angles. If $\alpha = 130^\circ$, then $\beta =$ _____

- (a) 50°
- (b) 40°
- (c) -40°
- (d) None of the above

3.

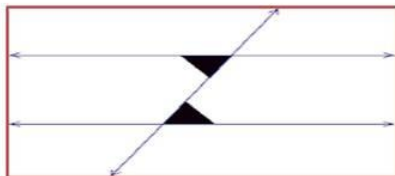
NAME THE PAIR OF ANGLES SHOWN
IN THE GIVEN FIGURE



- (a) Adjacent Angles
- (b) Linear Pair of angles
- (c) Corresponding angles
- (d) Alternate Angles

4.

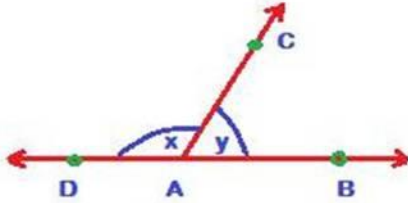
NAME THE PAIR OF ANGLES SHOWN
IN THE GIVEN FIGURE



- (a) Corresponding Angles
- (b) Alternate Interior Angles
- (c) Vertically Opposite Angles
- (d) None of the above

5.

IF $\angle x = 120^\circ$,
THEN $\angle y = \underline{\hspace{2cm}}$



- (a) 60°
- (b) 50°
- (c) -30°
- (d) -60°

6. If a ray stands on a line, the sum of adjacent angles formed is _____

- (a) 180°
- (b) 90°
- (c) 120°
- (d) 360°

7. If two lines are given, how many transversals can be drawn for these lines?

- (a) 1
- (b) 2
- (c) 5
- (d) infinite number of transversals

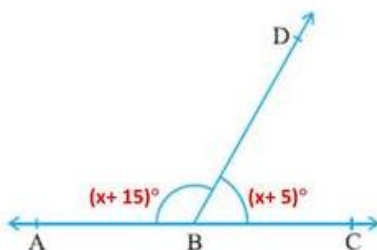
8. The sum of all angles around a point is _____

- (a) 0°
- (b) 360°
- (c) 180°
- (d) 90°

9. Through a given point, how many perpendiculars to a given line can be drawn?

- (a) 1
- (b) 2
- (c) 3
- (d) Not possible to draw

10. **FIND THE VALUE OF 'x'**



- (a) $x = 60^\circ$
- (b) $x = 80^\circ$
- (c) $x = 120^\circ$
- (d) $x = 70^\circ$

11. The supplementary angles of 132° is _____

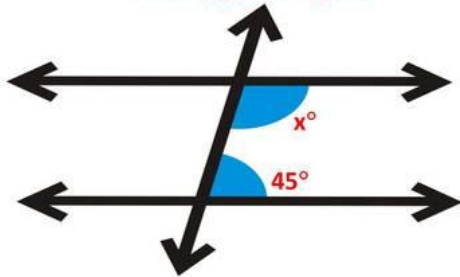
- (a) 48°
- (b) 58°
- (c) 68°
- (d) 38°

12. If two adjacent angles are equal, then the measure of each of these angles is _____

- (a) 90°
- (b) 60°
- (c) 180°
- (d) 45°

13.

Find the value of 'x' if the lines
in the given figure



- (a) 135°
- (b) 145°
- (c) 35°
- (d) 45°

14. What is a straight angle?

- (a) An angle that measures more than 90 degrees.
- (b) An angle that measures less than 90 degrees
- (c) .An angle that measures exactly 90 degrees.
- (d) An angle that measures exactly 180 degrees.

15. Two lines going the exact same way and will never intersect

- (a) Alternate exterior angles
- (b) Parallel lines
- (c) Alternate interior angles
- (d) Vertical lines