



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

WORK SHEET - 16

CLASS -VI

SUBJECT -ALGEB & GEOM CHAPTER 17 - ANGLES & THEIR PROPERTIES
TOPIC - COMPLEMENTARY & SUPPLEMENTARY ANGLES

F.M - 15
Date -01.05.20

I. Multiple choice questions : (Select the correct option) (15)

1. If the sum of two angles is 180° , the angles are called _____ angles.

a) complementary b) vertical c) supplementary d) none of these .

2. If the sum of two angles is 90° , the angles are called _____ angles.

a) complementary b) vertical c) supplementary d) none of these .

3. 60° is the _____ of 30° and vice versa.

a) adjacent b) complement c) supplement d) none of these .

4. 120° is the _____ of 60° and vice versa.

a) adjacent b) complement c) supplement d) none of these .

Find the complement of the following angles : (No 5 - No 7)

5. 45°

a) 18° b) 90° c) 45° d) none of these .

6. 20°

a) 60° b) 70° c) 40° d) none of these .

7. 36°

a) 10° b) 54° c) 50° d) none of these.

Find the supplement of the following angles : (No 8 - No 10)

8. 120°

a) 180° b) 90° c) 60° d) none of these .

9. 100°

a) 160° b) 80° c) 140° d) none of these .

10. 171°

a) 10° b) 54° c) 9° d) none of these.

Find the angles in each case : (No 11 – No 12)

11. The angles are supplementary and the larger is thrice the size of the smaller.

a) 15° and 165° b) 80° and 100° c) 45° and 135° d) none of these.

12. The angles are complementary and the larger is 30° more than the smaller.

a) 30° and 60° b) 45° and 45° c) 50° and 40° d) none of these.

13. Find the measure of an angle which is 20° less than its complement.

a) 15° b) 35° c) 45° d) none of these.

14. Find the measure of the angle which is 4 times its complement.

a) 56° b) 29° c) 72° d) none of these.

15. Find the angles when two angles are supplementary and the larger is 58° more than the smaller.

a) 61° and 119° b) 45° and 135° c) 50° and 35° d) none of these

By – U. James Riju.