CLASS 8

SUBJECT :Algebra andGeometryWork sheet16Answer key

Marks:15TRIANGLES

Date:8.3.21

Answer all thefollowing questions(1×15=15)

1. How many altitudes can a triangle have?

A. 1
B. 2
C. 3

2. A ———— connects a vertex of a triangle to the mid-point of the opposite side.

A. Altitude
B. Median
C. Opposite side

3. An ———— angle of a triangle is equal to the sum of its interior opposite angles.

A. Exterior angle
B. Interior angle
C. Adjacent angle

4. The total measure of the three angles of a triangle is ————

A. 90
B. 180
C. 360

5. If the two angles of a triangle are 50 degree and 70 degree, then the measure of third angle is ————————

A. 50
B. 60
C. 70

6. A triangle in which all the three sides are of equal lengths is called an ——————-

A. Equilateral triangle
B. Scalene triangle
C. Isosceles triangle

7. A triangle in which two sides are of equal lengths is called an ————

A. Scalene triangle
B. Equilateral triangle
C. Isosceles triangle

8. The sum of the lengths of any two sides of a triangle is ——— than the third side.

A. greater than
B. less than
C. equal to

9. In a right angled triangle, the side opposite to the right angle is called the ————-

A. leg
B. hypotenuse
C. altitude

10. The difference between the lengths of any two sides is ——– than the length of the third side.

A. greater than
B. less than
C. altitude

11. In a right angled triangle, if one angle is 45 degree then the measure of the third angle is ————-

A. 90
B. 45
C. 180

12. In a triangle if all angles are equal, then the measure of each angle is ———-

A. 45
B. 60
C. 90

13. If the Pythagoras property holds, the triangle must be ————

A. right angled
B. acute angled
C. obtuse angled

14. Which is the longest side of a right angle?

A. altitude
B. hypotenuse
C. legs

15. The perpendicular line segment from a vertex of a triangle to its opposite side is called an ——— of the triangle.

A. altitude
B. median
C. base

ANSWERS:
1. 3
2. Median
3. Exterior angle
4. 180
5. 60
6. Equilateral triangle
7. Isosceles triangle
8. greater than
9. hypotenuse
10. less than
11. 45
12. 60
13. right angled
14. Hypotenuse
15. Altitude**Indranil Ghosh**