



RAMAGYA SCHOOL, NOIDA
WORKHEET, 2018-2019
SUBJECT: Maths

CLASS: VII

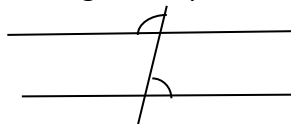
MONTH: AUGUST

(Concept)

- Line segment has _____ end points
a. 1 b. 2 c. 3 d. no
- A ray has _____ end points.
a. 1 b. 2 c. 3 d. no
- The common end point where the two rays meet is called
a. Arms b. vertex c. ray d. 0
- The angles in a right angled triangle other than the right angle are
a. acute b. obtuse c. right d. none

(Application)

- The complementary angle of 30° is
a. 60° b. 90° c. 150° d. none
- Choose a pair of complementary angles
a. $30^\circ, 50^\circ$ b. $76^\circ, 14^\circ$ c. $65^\circ, 65^\circ$ d. $120^\circ, 30^\circ$
- The angle between two perpendicular line is _____.
a. 30° b. 60° c. 90° d. 180°
- If AOB is a straight line and OC is a ray from and $\angle AOC = 134^\circ$, then $\angle COB =$
a. 46° b. 56° c. 120° d. 66°
- In the given figure l is parallel to m, t is a transversal. Then value of x is



- a. 130 b. 50 c. 120 d. none

(HOTS)

- Which of the following lie outside or on the triangle?
a. circumcentre b. centroid c. orthocenter d. incentre
- If $3^x = 500$ then the value of 3^{x-2} is
a. $\frac{100}{9}$ b. $\frac{1000}{9}$ c. $\frac{500}{3}$ d. $\frac{500}{9}$
- If $\frac{p}{q} = \left(\frac{2}{3}\right)^3 \div \left(\frac{3}{2}\right)^{-3}$ then the value of $\left(\frac{p}{q}\right)^{-10} =$
a. 1 b. 0 c. cannot be determined d. none
- If $\sqrt{2} = 1.414$ then the value of $\frac{5+\sqrt{2}}{5-\sqrt{2}}$ is
a. 1.787 b. 1.525 c. 1.828 d. 1.326
- In a triangle ABC, E is the mid point of AC and G is the centroid of the triangle then BE:GE
a. 1:2 b. 2:1 c. 3:1 d. 1:3
- The bisector of an angle of a triangle bisects the opposite sides in the ratio of
a. Opposite sides b. 2:1 c. 3:1 d. none of these

16. The length of a rectangle is 5cm less than its breadth. If the perimeter of the rectangle is 30cm, find its area.
a. 28cm^2 b. 12cm^2 c. 50cm^2 d. none
17. The value of $[(4)^2 - (2)^3]$
a. 8 b. 2 c. 3 d. 4
18. In a triangle ABC, if $\angle A = \angle B + \angle C$, then $\angle A$
a. 60 b. 45 c. 90 d. none
19. Two sides of a triangle are 7 and 10 units, what is the third side?
a. 19cm b. 17cm c. 38cm d. none
20. If two supplementary angles are differ by 44 then one of the angle is
a. 102 b. 65 c. 112 d. 72