



ARMY PUBLIC SCHOOL RATNUCHAK

SESSION: 2018-19

WORKSHEET

CLASS VIII

MATHEMATICS

1. Prove associative property for integers.
2. Prove commutative property for rational numbers.
3. Find $-\frac{4}{5} \times \frac{3}{7} \times \frac{15}{16}$
4. Find ten rational numbers between 3 and 4.
5. Solve the equations
 - a) $14y - 8 = 13$
 - b) $17 + 6p = 9$
6. The perimeter of triangle is 13 cm and its width is $2\frac{3}{4}$ cm. Find its length.
7. The difference between two whole numbers is 66. The ratio of two numbers is 2:5. What are the two numbers?
8. The sum of three consecutive multiples of 8 is 888. What are these integers.
9. The digits of a two digit number differ by 3. If the digits are interchanged and the resulting number is added to the original number, we get 143. What is the original number.
10. Simplify and solve the linear equations.
 - a) $3(5z-7) - 2(9z-11) = 4(8z-13)-17.$
 - b) $0.25(4f-3) = 0.05(10f-9)$
11. Present ages of Anu and Raj are in ratio 4:5. Eight years from now ratio of their ages will be 5:6. Find their present ages.
12. Find the number of sides of a regular polygon whose each exterior angle is 45° .
13. Two adjacent angle of a parallelogram are equal. Find the measure of each angle of parallelogram.
14. Explain why rectangle is a convex quadrilateral.
15. Define
 - a) Trapezium.
 - b) Kite
 - c) Parallelogram
 - d) Square.