

SAINIK SCHOOL AMBIKAPUR
WINTER VACATION HOMEWORK
CLASS: VIII
SUBJECT: MATHEMATICS

“Dear Cadets, Have a wonderful vacation with joy, enthusiasm and Happy Learning”

Do any 8 (Eight) of the following activities by cutting and pasting:

1. Algebraic Identity: $(x + a)(x + b) = x^2 + ax + bx + ab$
2. Algebraic Identity: $(a + b)^2 = a^2 + 2ab + b^2$
3. Algebraic Identity: $(a - b)^2 = a^2 - 2ab + b^2$
4. Angle Sum Property of a quadrilateral.
5. Properties of a Parallelogram.
6. Property of the diagonals of a rectangle.
7. Properties of the diagonals of a square.
8. Area of a Rhombus
9. Area of a Trapezium.
10. Volume of a cuboid.
11. Volume of a cylinder.