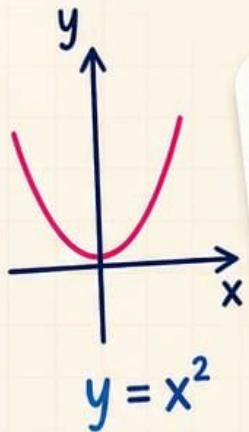




Little Rose

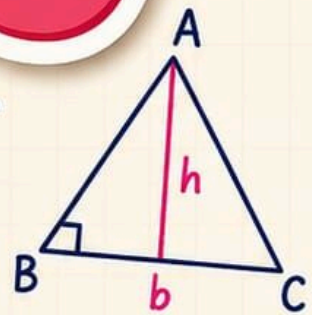
— ACADEMY —

Maths makes everything possible!
😊



MATHS

SUBJECT

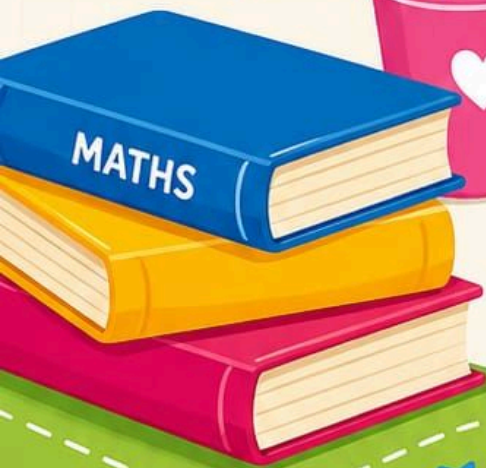


Area = $\frac{1}{2} bh$

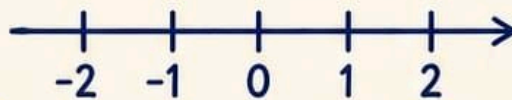
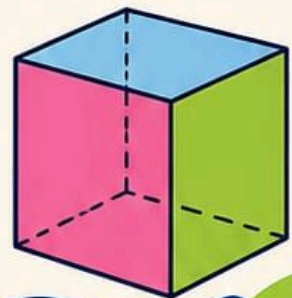
FORMULAS
 $(a+b)^2 = a^2 + 2ab + b^2$
 $(a-b)^2 = a^2 - 2ab + b^2$
 $a^2 - b^2 = (a-b)(a+b)$

CLASS
9

REAL LIFE MATHS
Think. Solve. Apply. Grow. 💡



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**Practice Today
Success Tomorrow**

Class IX Mathematics

Summer Vacation Worksheet

Chapter:

Linear Equations in Two Variables

Questions

1. Define a linear equation in two variables. Give one example.
2. State whether each is a linear equation in two variables:
(a) $2x+3y=7$ (b) $x^2+y=5$
(c) $4x-y=9$ (d) $xy=10$.
3. Check whether (2,1) is a solution of $3x+2y=8$.
4. Check whether (4,2) satisfies $x-y=2$.
5. Find any four solutions of $x+y=6$.
6. Find any five solutions of $2x+y=8$.
7. Complete the table for $x+2y=10$ with $x=0,2,4,6,8$.
8. Complete the table for $3x-y=6$ with $x=0,1,2,3$.
9. Write the equation: The sum of x and y is 15.
10. Write the equation: Twice x decreased by y equals 7.
11. Find three solutions of $5x+y=15$.
12. If (3,k) is a solution of $x+y=9$, find k .
13. If (m,2) satisfies $2x+y=12$, find m .
14. Give one real-life situation represented by a linear equation in two variables.
15. Notebooks cost ₹40 each and pens ₹10 each. Total spent ₹200.
 - (a) Form the equation.
 - (b) Write any three solutions.