

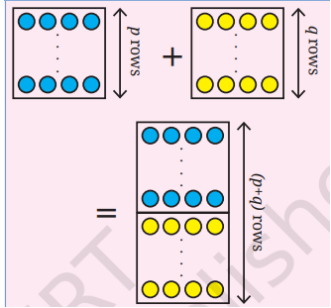
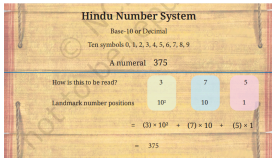
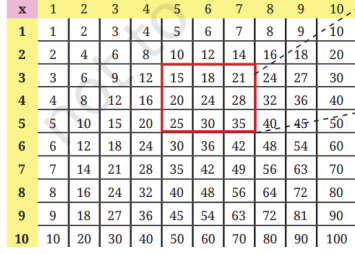




BLOOM PUBLIC SCHOOL
C-8 Vasant Kunj, New Delhi
Syllabus for the Session 2025-26

Class: VIII

Subject: Mathematics

MONTH	CHAPTER (NCERT Text book)	CONTENT (Topics)	Practical/Activities
April	* Bridge course activity * Square and Square Roots	* Bridge course activities * Square of a number * Square root of a number by prime factorisation & division method * Identities: $(a - b)^2$, $(a + b)^2$, $a^2 - b^2$.	https://ncert.nic.in/pdf/Bridge_Programme/Grade8/Bridge_Programme-Mathematics-Grade8.pdf SUBJECT ENRICHMENT ACTIVITY 1: Prove that $(a + b)^2 = a^2 + b^2 + 2ab$.
May	* Bridge course activity * Linear Equations In One Variable	* Bridge course activities * Solving linear equations * Framing linear equations	https://ncert.nic.in/pdf/Bridge_Programme/Grade8/Bridge_Programme-Mathematics-Grade8.pdf SUBJECT ENRICHMENT ACTIVITY 2: Mystery Number Challenge- Use linear equations to guess a hidden number.
July	* Algebraic expressions and identity	* Expressions, terms, factors, coefficients, monomials, binomials, and polynomials * Operations on Algebraic Expressions * Algebraic Identities * Factors of Algebraic Expressions * Factors of Algebraic Expressions * Factorization Using Identities	PHET (interactive panel) Area Model Algebra

MONTH	CHAPTER (GANITA PRAKASH Text book)	CONTENT (Topics)	Practical/Activities
August	* CH-1 A Square and A Cube * CH-4 Quadrilaterals	* Square of a number * Square root of a number by prime factorisation & division method * Cube of a number * Cube root of a number by prime factorisation.	https://ncert.nic.in/pdf/Bridge Programme/Grade8/Bridge Programme-Mathematics-Grade 8.pdf SUBJECT ENRICHMENT ACTIVITY 3: Prove that $(a + b)^2 = a^2 + b^2 + 2ab$.
September	Revision of Mid Term exam	-	-
October	*CH-5 Number Play *CH- 3 A Story Of Numbers	*Early Counting Systems *The Hindu-Arabic Number System *Importance of Place Value *Creating Your Own Number System *Early Number Systems *exploring numbers, patterns, and relationships between numbers	SUBJECT ENRICHMENT ACTIVITY 4: Explanation with Algebra and Visualisation  SUBJECT ENRICHMENT ACTIVITY 8: 
November	*CH- 6 We Distribute, Yet things Multiply *CH- 7 Proportional reasoning *CH-2 Power Play	*distributive property of multiplication over addition * simplify expressions by distributing a factor across a sum *Application in Simplification *Observing Similarity in Change. *Ratios *Problem Solving with Proportional Reasoning.	SUBJECT ENRICHMENT ACTIVITY 5:  SUBJECT ENRICHMENT ACTIVITY 6:

		<p>*focuses on the concept of exponents and powers</p> <p>* Scientific Notation</p>	<div><p>a) </p><p>b) </p></div> <p>SUBJECT ENRICHMENT ACTIVITY 7:</p> <table><tr><td>7^7</td><td>823543</td><td>$2,401 \times 49 =$</td></tr><tr><td>7^6</td><td>117649</td><td>$49^2 =$</td></tr><tr><td>7^5</td><td>16807</td><td>$343 \times 2,401 =$</td></tr><tr><td>7^4</td><td>2401</td><td></td></tr><tr><td>7^3</td><td>343</td><td>$\frac{16,807}{49} =$</td></tr><tr><td>7^2</td><td>49</td><td>$\frac{7}{343} =$</td></tr><tr><td>7^1</td><td>7</td><td></td></tr><tr><td>7^0</td><td>1</td><td>$\frac{16,807}{8,23,543} =$</td></tr><tr><td>$7^{-1}$</td><td>$\frac{1}{7}$</td><td>$1,17,649 \times \frac{1}{343} =$</td></tr><tr><td>$7^{-2}$</td><td>$\frac{1}{49}$</td><td></td></tr><tr><td>7^{-3}</td><td>$\frac{1}{343}$</td><td>$\frac{1}{343} \times \frac{1}{343} =$</td></tr><tr><td>$7^{-4}$</td><td>$\frac{1}{2401}$</td><td></td></tr></table>	7^7	823543	$2,401 \times 49 =$	7^6	117649	$49^2 =$	7^5	16807	$343 \times 2,401 =$	7^4	2401		7^3	343	$\frac{16,807}{49} =$	7^2	49	$\frac{7}{343} =$	7^1	7		7^0	1	$\frac{16,807}{8,23,543} =$	7^{-1}	$\frac{1}{7}$	$1,17,649 \times \frac{1}{343} =$	7^{-2}	$\frac{1}{49}$		7^{-3}	$\frac{1}{343}$	$\frac{1}{343} \times \frac{1}{343} =$	7^{-4}	$\frac{1}{2401}$	
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PERIODIC ASSESSMENT -I

TOPIC: Square and Square Roots

TOPIC: Linear Equations In One Variable

TOPIC: Bridge course activities' concepts (Case based questions)

PERIODIC ASSESSMENT -II

TOPIC : CH-5 Number Play

TOPIC:CH- 6 We Distribute, yet Things Multiply

TOPIC: CH-7 Proportional Reasoning.

MID TERM EXAM

TOPIC: Square and Square Roots (NCERT-OLD EDITION)

TOPIC: Linear Equations In One Variable (NCERT-OLD EDITION)

TOPIC: Algebraic expressions and identities (NCERT-OLD EDITION)

TOPIC: CH-1 A Square and A Cube (GANITA PRAKASH)

TOPIC: CH-4 -Quadrilaterals (GANITA PRAKASH)