

DAV PUBLIC SCHOOL, SASARAM
HOME ASSIGNMENT FOR SUMMER VACATION

<u>CLASS</u>	<u>HOME ASSIGNMENT/ PROJECT WORK</u> <u>SUBJECT (MATHS)</u>
II A & B	1. Write and learn Multiplication Table of 2 to 20 in H.W. Copy. 2. Write page No. 25 and 26 in H.W. Copy.
II C	1. Show the abacus 543, 346, 243, 241 each number on the Chart paper.
III A, B, C & E	1. Solve page No. 16 Ques. No. 4 to 7. 2. Solve word problems page No. 33 question No. 1 to 4. 3. Write predecessor of following. (i) 910 (ii) 7001 (iii) 810 (iv) 916 4. Write successor of following. (i) 999 (ii) 7119 (iii) 810 (iv) 96
III D	Show the abacus (i) 543 (ii) 346 (iii) 243 (iv) 241 each number of the chart paper.
VI A, B, C, D, F	(i) Brain Teasures of Unit 1
IV B	Unit 02 page No. 25 Ques. No. 1. (a) to (e) in H.A. Copy.
V A, C	Prepare a model for showing periods and place for 9 digit number in International system.
V E, F	Brain Teasures all question of Lesson 2 and Lesson 3 in H.A. Copy.
V B, D.	Unit 1. Do Ques. No. 1 (a,b,c,d) of page no 12 Unit 2 Do Ques. No. 1 (a,b,c,d) of page no 22 Unit 3 Do Ques. No. 1 (a,b,c,d) of page no 41.
VI A, G.	Unit 1 Natural Number all worksheet. Unit 2 Multiple and Factors all worksheet. <u>P, W.</u> Defining and Draw Graph on the Chart Paper.
VI D, E	Do Ques. No. 4 of Page no 1, Do Ques. No. 2 of w.s 2 page no 7 Do Ques. No. a,b,c,d of w.s 5 page no. 13. Do Ques. No.1. a,b,c,d of w.s 6 page no. 15. Do Ques. No. 1. a,b,c,d of w.s 9 page no. 20. Do Ques. No. 1. a,b,c,d of w.s 54 page no. 33. Do Ques. No. 4. a,b,c,d of w.s 5 page no. 36. Do Ques. No. 3. a,b,c,d of w.s 6 page no. 39
VI B, C, F.	Page No. 4 Q.No 4 . Page no. 7 W.S. 2 Q.No. 1, Page No. 13 W.S: 5 Q.No. 4 (a, b, c, d) Page No. 16 W.S. 6 Q.No. 1 (a, b, c, d), Page No. 20 Q.No. 1 2 3 4, Page No. 33 W.S. 1 Q.No. 1 (a, b, c, d), Page No. 36 Q.No. 5, 6, Page No. 39 Q.No.3
VII A, G,	Do ques. No. 3 to last of B.T. of rational number. 2. Do questions no. 3 to last of B. T. of operations on rational number. 3. Do ques. No. 2 to last of B.T. of rational number of decimals. 4. Learn all definitions of Chapter 1, 2 and 3. 5. Learn table upto 20. Write all definitions and formula and properties of rational number on chart paper.
VII B, D, F	Page no 6 W.S 2 Ques. No. 5, 6 Page no 9 W.S 3 Ques. No. 4 all. Page no 15 W.S 6 Ques. No. 2 (i), (ii) Page no 18 B.T. Q.No. 7 (iv) (v) . Page no 25 W.S 1 Ques. No. 3 (i) (iii) Page no 26 Ques. No. 6 . Page no 35 Ques. No. 4. Page no 44 Ques. No. 5 (i)
VII C, E	Solve Chapter 1 and 2 Show different Rational number on number line. Worksheet 3 Chapter 1.
VIII A, D	Revise the lesson in a new note book (a) Square & Square root (b) Cube & Cube root (c) Variation (d) Profit, loss & Discount. <u>P.W.</u> On the chart paper display & remember by dividing it in 4 parts . (a) Square no. upto 50. (b) Cubic number upto 30 (c) Multiplication table from 11 to 30 (d) Formula for profit loss & discount.
VIII B, C.	1. B.T. of Chapter Square & Square root, Cube & Cube root variation. 2. Learn all definitions of Chapter 1, 2 & 4 3. Learn multiplication table upto 20. <u>P.W</u> Write square of numbers 1 to 30 and cubes of numbers 1 to 15 on the chart paper.

VIII E, F.	1. B.T. of Chapter Square. & Square root, Cube & Cube root variation. <u>P.W.</u> Geometrical verification of identify 1
IX A, C, D.	(i) Find five rational numbers between $\sqrt{3}$ and $\sqrt{5}$ (ii) Find five rational numbers between $\frac{3}{4}$ and $\frac{2}{3}$ (iii) Represent (i) $\frac{5}{7}$ (ii) $-\frac{9}{5}$ on number line. (iv) Find two irrational no. between $\frac{3}{4}$ and $\frac{5}{6}$. (v) Express (i) 0.433333 (ii) 1.015151515 as rational number (vi) Give Example of two irrational no. whose : (i) Sum is rational (ii) Product is rational (vii) Find zero of polynomial :- (i) $p(x) = \square x + 7$ (ii) $P(x) = x^2 - 9x + 20$ (viii) Find K if -3 is a zero of polynomial $p(x) = x^3 - kx^2 + 7x = 5$ (ix) Rationalise the denominator (i) $3\sqrt{5} / 2\sqrt{2} + 1$ (ii) $1 / 7\sqrt{2} - 4$ <u>Project Work</u> (x) Represent $\sqrt{2}, \sqrt{3}, \sqrt{4}, \sqrt{5}, \sqrt{6}, \sqrt{7}, \sqrt{8}, \sqrt{9}, \sqrt{10}, \sqrt{11}$ on some number line on Chart Paper.
IX E, F	NCERT Book Ex. 1.3, 1.4, 2.4, 2.5, (Do all questions) <u>P.W.</u> NCERT Book : Ex 1.2 Ques. No. 4 (Activity) Use chart Paper.
IX B.	All Questions from NCERT BOOK Ex. 1.1. (Q.N. 2,4), Ex 1.2 (Q.N. 3) Ex. 1.3. (Q.N. 2,5, 7), Ex 1.5 (Q.N. 3, 4) Ex. 1.6. (Q.N. 1, 3), Ex 2.1 (Q.N. 1, 2, 3) Ex. 2.2. (Q.N. 1, 3, 4), Ex 2.3 (Q.N.2, 3) Ex. 2.4. (Q.N. 1, 3, 4, 5), Ex 2.5 (Q.N. 1 to 16) Ex. 3.2. (Q.N. 1, 2), Ex 3.3 (Q.N.1,2) Ex. 6.1 and 6.2. (Q.N. 3, 4, 5, 6) example 7, 8. From page no 106, Ex 6.3 (Q.N. 6) Ex. 1.1. (Q.N. 2,4), Ex 1.2 (Q.N. 3)
X B, C, D, E.	1. Show that any positive odd integer is of the form $(6m+1)$ or $(6m+3)$ or $(6m+5)$ where n is some integer. 2. Prove that. (i) $\sqrt{11}$ (ii) $3\sqrt{7}$ are irrational numbers 3. If $X + a$ is a factor of polynomial $p(x) = 2x^2 + 2ax + 5x + 10$ then find the value of a. 4. find the Cubic polynomial where zeros are, 3, $\frac{1}{2}$ and -1 5. If α and β are the zero of $x^2 - 5x + k$ then find k if $\alpha - \beta = 2$ 6. If α and β are zero of $x^2 - x + 2$, then find $1/\alpha - 1/\beta$ 7. If α, β, γ are the zero of $6x^3 + 3x^2 - 5x + 1$ Find $1/\alpha + 1/\beta + 1/\gamma$ 8. Find the value of m and n, if $4x + 3y - 12$. $(m+n)x + 2(m-n)y = 5m - 1$ has many solution. 9. Find K if $(k-2)x + my = K$ $Kx + ky = 12$ has many solution. 10. Solve by Cross multiplication. $2x + 3y = 17, 3x - 2y = 6$ 11. Solve graphically. $2x + 3y = 17$ $3x - 2y = 6$ 12. Draw the graph. If (i) $Y = X^2 + 2x + 1$ (i) $y = x^2$
X A	1. Ex. 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, (NCERT BOOK) 2. Learn all definitions & theorem of Ch. 1,2,3. 3. Learn multiplication table upto 20. <u>P.W.</u> Algorithms are the base of all computer program. Make a flow chart to elaborate & explain Eulid's Algorithm.
X F	NCERT BOOK Ex. 1.2, 2.3, 3.3, 3.4 (Do all questions) <u>P.W.</u> NCERT BOOK Page no. 23 & 26 Graph of quadratic & Cubic polynomial.