

Kendriya Vidyalaya Baddowal Cantt

Summer Break Holiday Homework- Maths- Class VIII

Ist Week	1. Writ the Square of the numbers from 1 to 50 . 2. Writ the Cube of the numbers from 1 to 25 . 3. Find square root of following numbers by Repeated subtraction method $\sqrt{36}$, $\sqrt{100}$, $\sqrt{225}$, $\sqrt{400}$. 4. Find square root of following numbers by Prime factorization method . $\sqrt{64}$, $\sqrt{144}$, $\sqrt{256}$, $\sqrt{441}$, $\sqrt{676}$.																																								
IInd Week	5. Find cube root of following numbers by Prime factorization method . $\sqrt[3]{64}$, $\sqrt[3]{1000}$, $\sqrt[3]{512}$, $\sqrt[3]{729}$, $\sqrt[3]{1728}$ 6. Find the smallest square number that is divisible by each of the following numbers: 4, 9, and 10. 7. How many numbers lie between the squares of the following numbers? (i) 16 and 17 (ii) 99 and 100 8. State true or false. Explain your reasoning. (i) The cube of any odd number is even. (ii) There is no perfect cube that ends with 8. (iii) The cube of a 2-digit number may be a 3-digit number. (iv) The cube of a 2-digit number may have seven or more digits. (v) Cube numbers have an odd number of factors.																																								
IIIrd Week	9. Make magic square of 5 x 5 from 1 to 25 numbers. 10. Make magic square of 7 x 7 from 1 to 49 numbers. 11.																																								
IVthWeek	12. The image below shows a logic machine, where numbers move from Column to Column (starting from column 1 as input and reach column 4) through the tunnel, where they change in a different way, each time. What would be the sum of A, B, and C? 13. Each geometrical shape denotes a certain operation. What will come in place of “?”	<table><thead><tr><th>Column 1</th><th>Column 2</th><th>Column 3</th><th>Column 4</th></tr></thead><tbody><tr><td>4</td><td>15</td><td>6</td><td>216</td></tr><tr><td>22</td><td>483</td><td>15</td><td>3375</td></tr><tr><td>11</td><td>120</td><td>3</td><td>27</td></tr><tr><td>7</td><td>A</td><td>B</td><td>C</td></tr></tbody></table> <table><tbody><tr><td>16</td><td>→</td><td>256</td><td>19</td><td>→</td><td>361</td></tr><tr><td>15</td><td>→</td><td>3375</td><td>11</td><td>→</td><td>1331</td></tr><tr><td>14</td><td>+</td><td>12</td><td>→</td><td>?</td><td></td></tr></tbody></table>		Column 1	Column 2	Column 3	Column 4	4	15	6	216	22	483	15	3375	11	120	3	27	7	A	B	C	16	→	256	19	→	361	15	→	3375	11	→	1331	14	+	12	→	?	
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Vth Week	14. Draw different types of quadrilaterals and write its properties .																																								
VIth Week	15. Write 20 SentenceS about great Mathematician “Aryabhata” and “S. Ramanujan”																																								