



S. Chand's

Smart Maths

A Complete Course in Mathematics

Introductory to Class 8

NEP Brochure





Holistic Learning

Holistic Learning is based on developing all aspects of a child's personality- intellectual, emotional, social, physical, artistic, creative, and spiritual. It is commonly implemented by making learning relevant to students' experiences and acts as bridge between home and school.

Place	Digit	Place Value
L	5	500000
TTh	3	30000
Th	4	4000
H	6	600
T	1	10
O	8	8

Expanded Form: $500000 + 30000 + 4000 + 600 + 10 + 8$

Word Form: Five lakh thirty-four thousand six hundred eighteen

Predecessor: 534617

Successor: 534619

Class	Page Number
1	10, 17, 49, 113
2	24, 115, 180
3	98, 106, 159
4	157, 174
5	7, 41
6	106, 110
7	75, 129, 157, 160
8	89, 138-139



Cross Curricular Learning

Cross Curricular Learning integrates multiple knowledge domains and crosses the boundaries of a discipline or curriculum to enhance the scope and depth of learning. This is a fundamental way to teach concepts in the context of multiple subjects at once.

Let Us Do (Project)

Contribution of Indian mathematicians in concept of zero, decimal number system, binary numeral system, etc., made them immortal. Find five Indian mathematicians, collect their pictures, paste them in your notebook. Write two to five lines on their contributions in mathematics and feel proud.

Let Us Assess

1. Write 'T' for true and 'F' for false statement.

- The successor of the greatest 8-digit number is 9-digit number.
- 1 added to the greatest 7-digit number is the smallest 8-digit number.
- The smallest 9-digit number is read as ten crore.
- The greatest 9-digit number is read as ninety-nine crores.

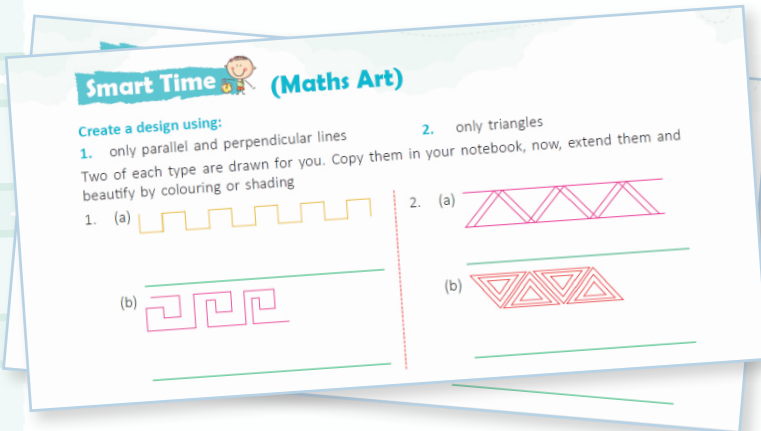
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Class	Page Number
1	62, 136, 167
2	32, 68, 147, 152
3	82, 87, 157
4	140, 172, 196
5	22, 28, 39
6	64, 115
7	20, 88
8	50-51, 55



Art Integrated Learning

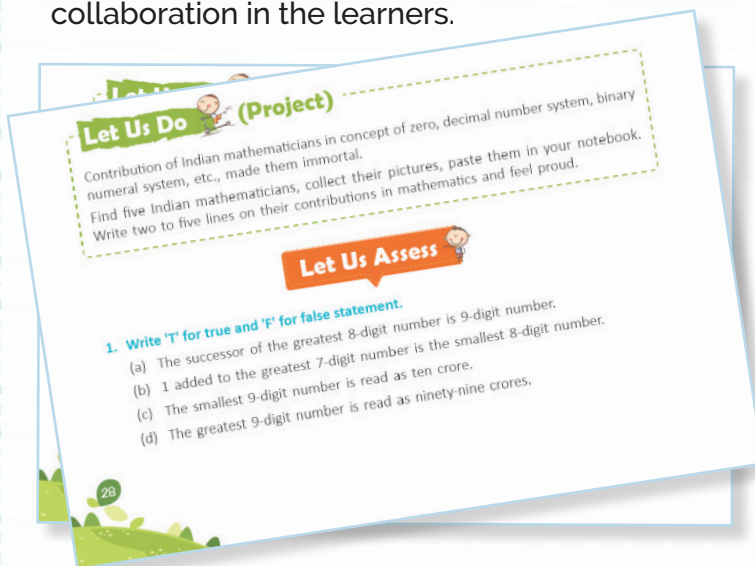
Art Integrated Learning is based on collaboration between teaching of subject with the teaching of art (visual/performing). It fosters the creative development of students, makes the learning process joyful and helps to imbibe appreciation & understanding of the art form being utilized for this purpose



Class	Page Number
1	64, 99, 112, 146-147
2	40, 129
3	32, 107, 115
4	46, 95, 130, 177, 191
5	193, 222, 234
6	31-32, 105
7	201, 203
8	72-73, 87, 180-181

Experiential Learning

Experiential Learning is project or discovery-based practical learning and promotes the value of learning by doing. It helps build confidence, leadership, critical thinking skills, and a spirit of collaboration in the learners.




Class	Page Number
1	8, 22, 52, 64, 84, 100, 110, 129, 138, 162
2	67, 91, 112, 129, 185
3	32, 49, 68, 88, 102, 138, 156
4	26, 47, 76, 205
5	42, 68, 87, 147, 193
6	55, 96, 146
7	211, 265
8	96, 131, 154

Local Knowledge

Local Knowledge refers to facts and information which are relevant to a specific locale or have been elicited from a place-based context. It can also include specific skills or experiences made in a particular location. This is acquired by interacting with the surroundings – people, landscape, culture, etc., of that particular place.

Did You Know?

Shakuntala Devi (4 November 1929 – 21 April 2013) was an Indian writer and mental calculator, popularly known as 'human computer'. Once calculated the multiplication of two 13-digit numbers – $7,686,369,774,870 \times 2,465,099,745,779$ correctly in just 28 seconds. Her talent-earned her a place in 1982 edition of "The Guinness Book of World Records".



Teacher's Support

Let students do this activity for the sake of appreciation only, not as regular practice.

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Class	Page Number
1	106, 115
2	11, 146, 160
3	137, 187
4	42, 55, 138, 157
5	53, 136
6	129, 182
7	278, 279, 280
8	69, 184

