

A landmark document, the National Education Policy 2020 (NEP) is a framework that emphasizes the holistic development of learners through experiential learning, arming them with twenty-first-century skills.

Ratna Sagar has always been at the forefront whenever any change is introduced by the government, the CBSE, the NCERT or other boards.

We updated our books and provided support for:

- COMMUNICATIVE APPROACH
- NCF (2005) CCE (2010)
- NEP (2020)
 CBA (2021)
- NIPUN BHARAT (2021)
 SAFAL (2021)

All our major courses are fully compliant with NEP 2020 guidelines.

Here we present Number Magic 1-5.

The Number Magic set includes a primer.

NIPUN **NIPUN NIPUN NIPUN NIPUN NIPUN NIPUN NIPUN NIPUN NIPUN**

Some Major Skills & Focus Areas

In Number Magic 1–5

- of seeing or doing things and includes generating new ideas, flexibility, originality, and building on others' ideas.
 - 21st Century Skills Handbook by CBSE



Creativity

- BK 1 pp. 15 (Life Skill), 20, 52, 53, 56
- BK 2 pp. 22, 36, 116, 124, 145, 153
- BK 3 pp. 108, 110, 116, 164, 173
- BK 4 pp. 107, 121, 124
- BK 5 pp. 56, 120, 137, 165 (Project), 185



Collaboration

All pair work & group activities:

- BK 1 pp. 28, 44, 97, 124, 138
- BK 2 pp. 14, 22, 55, 73, 130, 141
- BK 3 pp. 21, 24, 46, 55, 95, 122
- BK 4 pp. 63, 110, 138, 148, 190
- BK 5 pp. 20, 48, 121, 168, 182

Collaboration

is the ability

to effectively

work together

with others. ??

Skills Handbook

- 21st Century

by CBSE



BK 3, p. 20 HOTS

VIRAT KOHLI
 GRAMMAR
 ACCOMMODATION

1. 48 ____

(20)

A. Round off to the nearest ten.

Critical Thinking

All HOTS questions:

- BK 1 pp. 15, 49, 62, 75, 93, 124, 141
- BK 2 pp. 19, 30, 69, 95, 124, 165
- BK 3 pp. 20, 59, 72, 86, 126, 158
- BK 4 pp. 9, 56, 76, 116, 136, 178
- BK 5 pp. 12, 75, 123, 173, 200

66 Communication

refers to the ability to express one's opinions, desires, needs, apprehensions etc., appropriately–verbally and non-verbally.

– 21st Century Skills Handbook by CBSE



Communication

- BK 1 pp. 11, 44, 87, 97, 106
- BK 2 pp. 18, 70, 81, 145, 162
- BK 3 pp. 17, 24, 76, 124
- BK 4 pp. 23, 34, 52, 105, 174
- BK 5 pp. 12, 56, 71 (Life Skills),
 - 137 (Field Trip)

Critical Thinking is the ability to think clearly and rationally and understand the logical connections between ideas; to analyze facts and come to a conclusion.

7. 95

9. 38

B. Tick () the odd numbers and cross (X) out the even numbers.

85 87

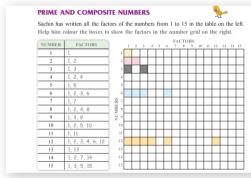
10. 61

1. Name two vehicles which have an odd number of tyres

0 4, 32 ____

5. 64 6. 79

11 14 22 31 39



BK 5, p. 45

Conceptual
Understanding
refers to an integrated
and functional grasp
of ideas.



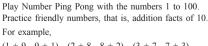
Problem-solving

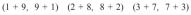
- BK 1 pp. 13, 29, 43, 73, 105, 118
- BK 2 pp. 16, 29, 53, 73, 89, 110, 138
- BK 3 pp. 17, 32, 86, 92, 100, 104
- BK 4 pp. 25, 43, 56, 75, 92, 93
- BK 5 pp. 28, 68, 87, 142, 154 185, 220

SKILLS - page 2
FOCUS AREAS - page 3

LEARNING BY DOING _

ENRICHMENT ACTIVITY





(4+6, 6+4) (5+5)

(4+6, 6+4) (5+5)Extend to tens numbers making a hundred.

(10 + 90, 90 + 10) (20 + 80, 80 + 20) (30 + 70, 70 + 30)

(40 + 60, 60 + 40) (50 + 50)

Say a ten number suppose 70. Your partner must answer 30 making the sum equal 100. Repeat with other facts of 100.



Application of Knowledge

pp. 34, 46, 48, 49, 72-73, 142

pp. 34-35, 47, 50, 71, 102, 158

pp. 23, 34, 52, 116, 149, 150

pp. 51, 66, 104, 130, 167, 180 BK 4

BK 5 pp. 31, 68, 139, 157,

175, 183



Conceptual Understanding

pp. 7, 57, 91, 111, 129

pp. 17, 21, 84, 122, 130

BK 3 pp. 13, 108, 111, 115, 144

BK 4 pp. 61, 85, 91, 123

BK 5 pp. 45, 63, 116, 120-121, 171

66 Experiential Learning is

learning imbibed through observing, understanding, practising and experiencing. "

- 21st Century Skills Handbook by CBSE



- 3. Fold the 2nd strip in 4 equal parts
- 4. Shade 2 parts.
- 5. Fold the 3rd strip in 8 equal parts.
- 6 Shade 4 narts
- 7. Observe the shaded portions of the three strips



For example, $\frac{1}{4} > \frac{1}{8}$ and $\frac{3}{8} > \frac{1}{4}$

The more the number of parts, the smaller the pieces.

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Read this passage carefully.

The human skeleton is made up of 206 bones. The skeleton consists of the The human sketeton is made up of 20 bones. The sketeton consists of the skull, the backbone, the rib cage and two pairs of limbs – the hindlimbs and the forelimbs. The skull is made up of 22 bones. 8 flat bones, interlocked together, enclose the delicate brain inside it. There are 14 bones in the facial region. The skull is attached to the backbone, which forms the main axis of the skeleton. It is made up of 33 small bones, called vertebrae. There are 12 pairs of bow-shaped ribs which form the rib cage. This cage protects the heart and the lungs.

Now answer the following questions

- 1. The fraction of bones found in the skull that are flat bones is
- 2. The fraction of bones found in the skull that are facial bones is
- 3. The fraction of bones found in the skull to the ones found in



Multidisciplinary Approach

involves several different subjects of study.



Experiential Learning

All Maths Lab Activities:

106 Subject Link – Maths & Science

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pp. 20, 36, 76, 97, 138

pp. 22, 36, 73, 121, 124

BK 3 pp. 21, 55, 105, 130, 152

BK 4 pp. 23, 40, 66, 105, 174

BK 5 pp. 20, 35, 77, 127



IN THE LAB

PLAY WITH ADDITION ENRICHMENT ACTIVITY





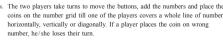








- 1. The children can work in pairs. Give Player A the black carrom coins and Player B the white carrom coins. Keep the buttons in the centre.
- 2. Player A keeps the buttons over any 2 digits in the digit cards. For example, A keeps the buttons over 4 and 5. 3. Player B has to add the digits, 4 and 5 (4 + 5 = 9). B keeps a white carrom coin
- over 9 on the number grid as shown. 4. Now Player B moves one of the buttons. For example, B moves the button from
- 4 to 9. (The buttons cannot be kept on the same number together.) 5. Player A has to add the digits, 5 and 9 (5 + 9 = 14). A keeps a black carrom
- 6. The two players take turns to move the buttons, add the numbers and place the coins on the number grid till one of the players covers a whole line of numbers,





Multidisciplinary Approach

All Subject Links:

BK 1 pp. 20 (Project), 56 (Life Skill), 133 (Project)

pp. 10 (Project), 56 (Project), 84 (Project), BK 2 151 (Poem)

BK 3 Projects in pp. 39, 128, 170

pp. 17 (Project), 60 (Project), 76, 106 BK 4

BK 5 pp. 8 (Project), 11, 155, 165 (Project),

Listed here are just a few illustrative examples of NEP-compliant pages. We will be happy to provide the

219 (Project) other page references. NIPUN **NIPUN** SAFAL **NIPUN** CBA **NIPUN** CBA **NIPUN NIPUN** NIPUN **NIPUN** NIPUN NIPUN

Rafna Sagar support for NEP, CBA, SAFAL, etc. Available on request

- Model question papers for CBA
- Summaries & paraphrase
- Extra activities & projects
- Extra questions
- Sample questions (SAFAL for Classes 3, 5 & 8)
- Workshops
- More as newer policies are announced

SAFAL								
Sample Questions								
A	Look at the given figure to answer the questions.							
1.	What is the total number of angles?							
	a. 6		b. 7		. 8	d	. 9	
2.	What is the number of right angles?							
	a. 3		b. 4		. 5	d	. 6)
3.	3. What is the number of acute angles?							
	a. 1		b. 2		. 3	d	. 4)
4.	. How many lines of symmetry can be drawn in the letter U?							
	a. 0		b. 1		. 2	d	. 3]
B	Mayank has marked some activities for September on his calendar. Read it to answer the given questions.							
	SEPTEMBER							
	SUN	MON	TUE	WED	THU	FRI	SAT	
				1	2	3	4	

SAFAL sample questions, Maths 3

Our forever support

Teacher's Companions

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