

Some Major Skills & Focus Areas

In Number Magic 1-5

“**Creativity** refers to new ways 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



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

“**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



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



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)



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

“**Collaboration** is the ability to effectively work together with others.”

– 21st Century Skills Handbook by CBSE

LEARNING BY DOING

ENRICHMENT ACTIVITY

Play Number Ping Pong with the numbers 1 to 100. Practice friendly numbers, that is, addition facts of 10.

For example,

$$(1 + 9, 9 + 1) (2 + 8, 8 + 2) (3 + 7, 7 + 3)$$

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

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.



BK 1, p. 124

BK 3, p. 20 HOTS

HOTS questions

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

2. Which letters are present in even numbers in these words?
a. VIRAT KOHLI _____
b. GRAMMAR _____
c. ACCOMMODATION _____

ENRICHMENT ACTIVITY

A. Round off to the nearest ten.

- | | | | |
|-------------|-------------|-------------|--------------|
| 1. 48 _____ | 4. 32 _____ | 7. 95 _____ | 10. 61 _____ |
| 2. 23 _____ | 5. 64 _____ | 8. 92 _____ | 11. 17 _____ |
| 3. 56 _____ | 6. 79 _____ | 9. 38 _____ | 12. 15 _____ |

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

11	14	22	31	39	40	46	52	59
67	68	73	77	85	87	91	93	99

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.

PRIME AND COMPOSITE NUMBERS

Sachin has written all the factors of the numbers from 1 to 15 in the table on the left. Help him colour the boxes to show the factors in the number grid on the right.

NUMBER	FACTORS
1	1
2	1, 2
3	1, 3
4	1, 2, 4
5	1, 5
6	1, 2, 3, 6
7	1, 7
8	1, 2, 4, 8
9	1, 3, 9
10	1, 2, 5, 10
11	1, 11
12	1, 2, 3, 4, 6, 12
13	1, 13
14	1, 2, 7, 14
15	1, 3, 5, 15

NUMBERS	FACTORS														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															

BK 5, p. 45

Conceptual Understanding

refers to an integrated and functional grasp of ideas.

SKILLS – page 2

FOCUS AREAS – page 3

