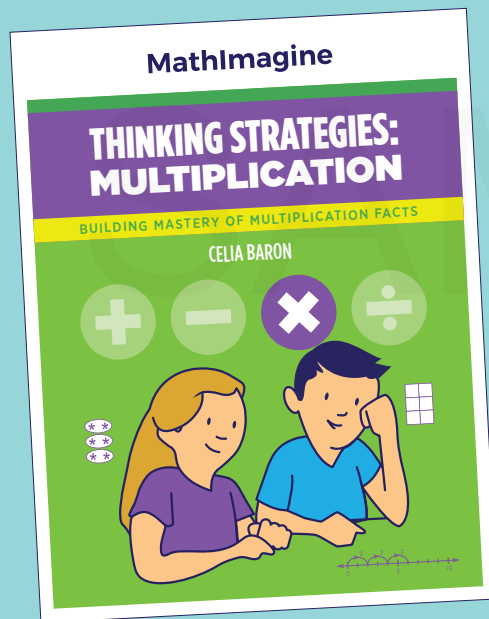
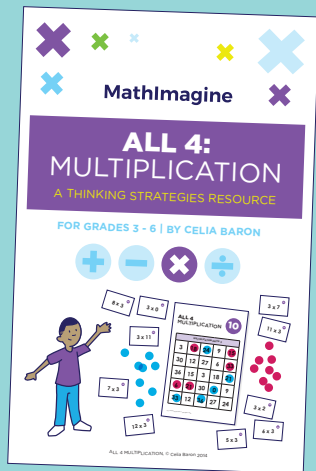


A NOTE TO THE TEACHER/PARENT



Dear Teacher/Parent,

All 4: Multiplication, a Thinking Strategies supplemental resource, is a bingo game to promote the fluency of basic facts. The order of presentation of the games follows the same order as in *Thinking Strategies: Multiplication*. Once children develop and understand the thinking strategies presented in *Thinking Strategies: Multiplication*, they can then use this resource for additional practice.

The Thinking Strategies series accomplishes mastery of basic facts by:

1. chunking facts into groups for ease of learning,
2. introducing chunks in logical rather than numerical order,
3. developing efficient strategies for each chunk, and
4. practice, practice, and more practice of those strategies to reach mastery.

The importance of having all children master the basic facts cannot be overemphasized. Mastery of the basic facts enhances a child's belief in his or her ability to be successful in the study of mathematics.

This resource includes the following:

- 20 game boards
- 32 cards for each game board
- Self-reflection form
- Tracking form

ALL 4 MULTIPLICATION

Approximate starting grade: **GRADE 3**

INSTRUCTIONS:

1. This is a game for two players or two teams.
2. Choose a game board along with the accompanying set of 32 cards.
3. Pick 2 sets of different-coloured bingo chips.
4. Scatter the cards face down.
5. Each player/team in turn chooses a card and places a bingo chip on the square with the answer.
6. If there are no remaining squares with that answer, the player/team forfeits the turn.
7. The first player/team with 4 bingo chips in a row, column, or diagonal wins the game.

GAME BOARD	MULTIPLICATION FACTS WITH...
1	2
2	5
3	2 and 5
4	9
5	2, 5, and 9
6	squares
7	2, 5, 9, and the squares
8	4
9	2, 4, 5, 9, and the squares
10	3
11	2, 3, 4, 5, 9, and the squares
12	6
13	7
14	8
15-20	0 - 10

ALL 4 MULTIPLICATION



MULTIPLICATION FACTS: 2				
2	18	22	10	4
24	12	14	8	6
20	4	2	0	14
6	10	22	20	16
12	16	18	24	8

ALL 4 MULTIPLICATION



MULTIPLICATION FACTS: 5				
5	40	55	10	25
20	0	45	60	30
15	30	5	10	50
60	50	40	35	55
35	25	15	45	20

✂

\times 1 0×2 ALL 4 \times	\times 1 2×0 ALL 4 \times	\times 1 1×2 ALL 4 \times	\times 1 2×1 ALL 4 \times
\times 1 2×2 ALL 4 \times	\times 1 2×2 ALL 4 \times	\times 1 3×2 ALL 4 \times	\times 1 2×3 ALL 4 \times
\times 1 4×2 ALL 4 \times	\times 1 2×4 ALL 4 \times	\times 1 5×2 ALL 4 \times	\times 1 2×5 ALL 4 \times
\times 1 6×2 ALL 4 \times	\times 1 2×6 ALL 4 \times	\times 1 7×2 ALL 4 \times	\times 1 2×7 ALL 4 \times
\times 1 8×2 ALL 4 \times	\times 1 2×8 ALL 4 \times	\times 1 9×2 ALL 4 \times	\times 1 2×9 ALL 4 \times
\times 1 10×2 ALL 4 \times	\times 1 2×10 ALL 4 \times	\times 1 11×2 ALL 4 \times	\times 1 2×11 ALL 4 \times
\times 1 12×2 ALL 4 \times	\times 1 2×12 ALL 4 \times	\times 1 4×2 ALL 4 \times	\times 1 5×2 ALL 4 \times
\times 1 6×2 ALL 4 \times	\times 1 7×2 ALL 4 \times	\times 1 8×2 ALL 4 \times	\times 1 9×2 ALL 4 \times

✕ 2 ✕

0 x 5 **5 x 0** **1 x 5** **5 x 1**

ALL 4 ✕ ALL 4 ✕ ALL 4 ✕ ALL 4 ✕

✕ 2 ✕

2 x 5 **5 x 2** **3 x 5** **5 x 3**

ALL 4 ✕ ALL 4 ✕ ALL 4 ✕ ALL 4 ✕

✕ 2 ✕

4 x 5 **5 x 4** **5 x 5** **5 x 5**

ALL 4 ✕ ALL 4 ✕ ALL 4 ✕ ALL 4 ✕

✕ 2 ✕

6 x 5 **5 x 6** **7 x 5** **5 x 7**

ALL 4 ✕ ALL 4 ✕ ALL 4 ✕ ALL 4 ✕

✕ 2 ✕

8 x 5 **5 x 8** **9 x 5** **5 x 9**

ALL 4 ✕ ALL 4 ✕ ALL 4 ✕ ALL 4 ✕

✕ 2 ✕

10 x 5 **5 x 10** **11 x 5** **5 x 11**

ALL 4 ✕ ALL 4 ✕ ALL 4 ✕ ALL 4 ✕

✕ 2 ✕

12 x 5 **5 x 12** **5 x 2** **4 x 5**

ALL 4 ✕ ALL 4 ✕ ALL 4 ✕ ALL 4 ✕

✕ 2 ✕

10 x 3 **7 x 5** **8 x 5** **9 x 5**

ALL 4 ✕ ALL 4 ✕ ALL 4 ✕ ALL 4 ✕

HOW DID I DO TODAY?

Bingo game number _____ Date _____



These are facts that are easy for me:



These are facts that are tricky for me:

HOW DID I DO TODAY?

Bingo game number _____ Date _____



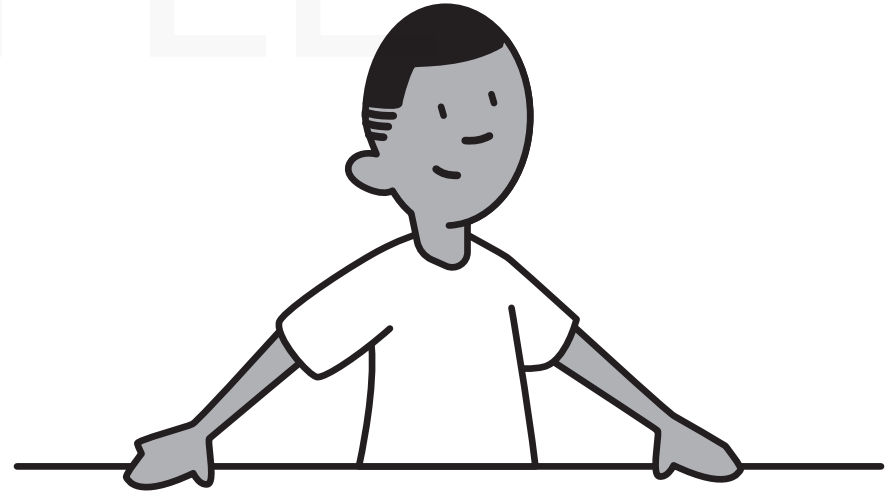
These are my favorite thinking strategies:

1. _____
2. _____
3. _____

ALL 4: MULTIPLICATION

Check off the puzzle numbers you have completed to track your progress!

Student name _____



1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20