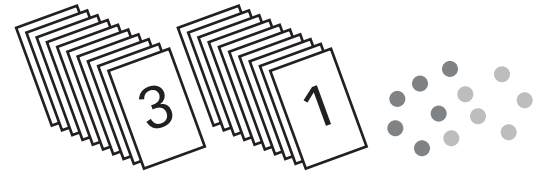# Unit 2 Game

Factor Finder

What you need: *Factor Finder* Recording Sheet, *Factor Finder* Game Board, 2 sets of Digit Cards (1–9), 40 counters (2 different colors)

Directions

- Mix the Digit Cards and place them facedown in a stack.

- Player A picks a card and writes the digit on that card in the list at the top of the Recording Sheet to make a two-digit number.

- Player A writes that two-digit number and all the factors for that two-digit number on the Recording Sheet.

- Player A places counters on the Game Board to cover the factors for that two-digit number. Not all factors are on the Game Board, and some factors appear more than once. Cover a factor only once in a turn.

- Player B takes a turn, following the same steps as Player A. Player B uses different color counters on the Game Board.

- The first player to have 5 counters in a row on the Game Board wins.

- If no player has 5 counters in a row, the player with the most counters on the Game Board after 5 rounds wins the game.

Name: _____

Factor Finder Recording Sheet

Two-Digit Numbers

☐0 ☐1 ☐2 ☐3 ☐4 |3|5 ☐6 ☐7 |1|8 ☐9
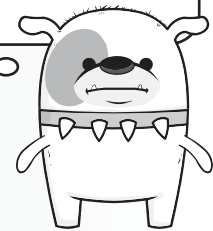
Emma
Player A Name

1. Two-digit number: __35__
   Factors: _1, 35, 5, 7_

2. Two-digit number: _____
   Factors: _____

Jacob
Player B Name

1. Two-digit number: __18__
   Factors: _1, 18, 2, 9, 3, 6_

2. Two-digit number: _____
   Factors: _____

I picked 3 and made the two-digit number 35. The factors of 35 are 1, 35, 5, and 7. I put counters on the 5 and 7 on the Game Board because they are both factors of 35.

1

Factor Finder Recording Sheet

Two-Digit Numbers

☐0 ☐1 ☐2 ☐3 ☐4 [3]5 ☐6 ☐7 [1]8 ☐9

Emma	Jacob
Player A Name	**Player B Name**

1. Two-digit number: ___35___
Factors: _1, 35, 5, 7_

1. Two-digit number: ___18___
Factors: _1, 18, 2, 9, 3, 6_

2. Two-digit number: _____
Factors: _____

2. Two-digit number: _____
Factors: _____

3. Two-digit number: _____
Factors: _____

3. Two-digit number: _____
Factors: _____

4. Two-digit number: _____
Factors: _____

4. Two-digit number: _____
Factors: _____

5. Two-digit number: _____
Factors: _____

5. Two-digit number: _____
Factors: _____

2

Factor Finder Game Board

2	8	7	6	5
3	6	5	8	11
12	2	10	4	12
6	9	8	3	4
5	4	3	9	2

3

Digit Cards (1–9)

✂

1	2	3	4	5	6
7	8	9	1	2	3
4	5	6	7	8	9