

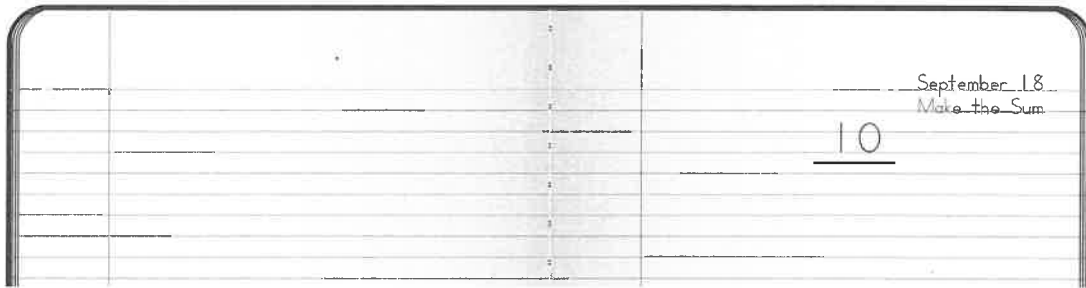


## Work Place Instructions 1A Make the Sum

### Each pair of players needs:

- 1 deck of Number Cards to share, with the wild cards removed
- their own journals and a pencil

- 1 Together, players choose a target number between 8 and 15. Each player writes the target number at the top of a new page in their journal. (If players choose a target number equal to or less than 9, they remove the cards greater than the target number from the deck.)



- 2 One player shuffles the cards and places 16 face-down in a 4-by-4 array.
- 3 Each player draws 1 card from the deck. The player with the higher number goes first.
- 4 The first player turns over 2 cards from the 4-by-4 array.
  - If the numbers on the 2 cards add up to the target number, the player keeps the cards and writes an equation in their journal to show the two numbers and the sum.
  - If the numbers don't add up to the target number, the player can turn over another card until the sum is equal to or greater than the target number. If the sum is equal to the target number, the player keeps all of the cards and writes an equation in her journal. If the sum goes over the target number, the player turns all the cards back over.
- 5 Players replace any cards taken so that there are still 16 cards face-down. Then the next player takes a turn.
- 6 The game continues until all the cards are gone, or until there are no more combinations that add up to the target number.
- 7 The player with the most cards wins the game.
- 8 Players choose a different target number and play again.

### Game Variations

- A Cards are placed face-up instead of face-down.
- B Players use a target number lower than 10 or higher than 15. A player turns over 3 or 4 cards at a time and then uses any combination of operations (addition, subtraction, multiplication, division) and each number just once to reach the target number.
- C Players choose 15 or 20 as the target number. A player turns over 4 cards at a time and uses any combination of operations (addition, subtraction, multiplication, division) and each number just once to reach the target number.



Our target sum is \_\_\_\_\_ number.

I hope I get a \_\_\_\_\_ number.

$$\underline{\hspace{2cm}} \text{ number} + \underline{\hspace{2cm}} \text{ number} = \underline{\hspace{2cm}} \text{ number}$$

