

Telephone Arrays.....



Get Ready

For this game, you'll need a telephone book. Each player will need pencil and paper, and about 100 beans, buttons, or pennies.

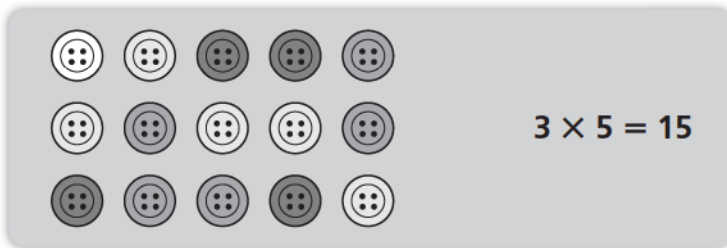
Get Set

Open the telephone book to any page. Close your eyes, and put your finger somewhere on the page. Pick the telephone number nearest to your finger. Look at the last two digits of the telephone number. Read them aloud as a two-digit number.

Play the Game

Each player does this:

- Counts out that number of beans, buttons, or pennies.
- Uses all of them to create as many different rectangular arrays as possible.
- Writes a multiplication sentence for each array, such as this one:



Take turns choosing other two-digit numbers from the telephone book, and play the game some more.

After you have chosen 5 telephone numbers and made all the arrays you can for each, the game ends.

The Winner Is

Tally your number sentences. Count one point for each number sentence. The player with the most points is the winner.

After the Game

Players can share their lists. Did everybody find all the possible number sentences for each array?