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Estimate and Divide

*The game’s goal is to make an estimate that is closest to the actual average of three numbers.*

**Two Players**

**Materials**

* Standard deck of cards with 10s and face cards removed
* Paper
* Pencil

**HOW TO PLAY**

The cards are shuffled and stacked facedown. Player 1 takes the top three cards and makes a three-digit number. Both players record this three-digit number on paper. The cards are put in a discard pile.

Player 2 takes the next three cards in stack and makes a three-digit number. Both players record this three-digit number. The three cards are put in the discard pile.

Player 1 again takes the top three cards and makes a three-digit number. Both players record the three-digit number. The three cards are put in the discard pile.

Each player looks at the three digit numbers and mentally estimates their average. Players write their estimates on the top of their papers and circle it.



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Both players then calculate the sum of the three numbers and divide by 3. Players check each other’s work for accuracy and initial if correct. The player whose estimate is closest to the actual average is the winner of that round and receives one point.

After ten rounds of play, the player with the most points is the winner.

**Super Duper Opportunities to Talk**

* How did you decide on your estimate?
* Did it work or will you try another strategy?
* Did your estimate get closer to the actual average the more rounds you played?