Remainder Game

Concept: Division with remainders

Materials: Set of number cards 1-9 or playing cards with face cards and 10s removed

Number of Players: 2 or more

To play: Each player is dealt 3 cards face up. Players use the cards to create a division problem with a 2-digit dividend and a 1-digit divisor where the quotient will have the greatest possible remainder. For example, if a player is dealt 3, 8, and 7. Players could arrange the cards in the following ways:
- 38 ÷ 7
- 83 ÷ 7
- 37 ÷ 8
- 73 ÷ 8
- 78 ÷ 3
- 87 ÷ 3

The player might choose 83 ÷ 7, because the quotient is 11 R 6, so the player will score 6 points for that round. At the end of each round, the cards are discarded and new cards are dealt to each player.

At the end of a designated number of rounds, or when the time is up, the player with the greatest score wins.

Variations:
- Players can be dealt up to 5 cards to create up to a 4-digit dividend and a 1-digit divisor
- Players can be dealt 4 to 6 cards to create up to a 4-digit dividend and a 2-digit divisor
- Players create an equation with the lowest remainder and the player with the lowest score at the end of the game wins.