

# December 2016 Math Problem of the Month- Family Math Game **Addition War**



Name \_\_\_\_\_

Teacher \_\_\_\_\_ Grade \_\_\_\_\_

Your mission, should you choose to accept it, is to capture more prisoners than your opponent. To embark on this mission, you need a deck of cards for this two-player math game. Please note that ace = 1; jack = 11; queen = 12; and king = 13.

### Directions:

1. Split the deck between both players evenly.
2. Each player plays a hand by turning two cards face up, and says the sum of those two cards, for example: "4 plus 11 is 15."
3. The player with the greater sum wins the skirmish, capturing his or her opponent's cards, and placing them with his own played cards into his or her prisoner pile.
4. Is there a tie for the greater sum? This skirmish is now a battle: each player places two cards face down, then a pair of cards face up. The greatest sum of these new cards captures everything on the table. Is there another tie? Repeat the 2-down-2-up battle pattern until someone breaks the tie. The player who wins the battle captures all the cards played in that turn.

Repeat steps 2 – 4 until all of the prisoners (cards) have been claimed. The winner is the player who has more cards.

Who did you play the game with? \_\_\_\_\_

What is a new rule you could create that would make the game more challenging?

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