Father C.W. Sullivan
Math Games

Target 500

Skill: Multiplication & Addition
Players: 2
Materials:
- 2 dice; paper & pencil/pen to keep track of scores

Rules:
- Each player takes turn rolling the dice and multiplying the numbers that come up.
- Each player keeps a tally of their score, adding to their score each time they roll & multiply
- The first player who's score reaches 500 (or more) wins.

Variation: Target 1000
- Modify the game to practice multiplying 2-digit numbers by a 1-digit number and making it *Target 1000* instead of 500.
- Players roll *3 dice* instead of 2, then make a 2-digit number and a 1-digit number to multiply together.
- Players multiply the 2-digit number they make by the 1-digit number and add it to their score. The first player to reach 1000 wins.

Multiplication FACE OFF

Skill: Multiplication
Players: 2
Materials:
- Deck of cards with face cards removed, Aces used as ones

Rules:
- Each player is dealt 2 card, face up.
- Players multiply the numbers on their 2 cards together to find the product. (players can use mental math skills, or pencil/paper to help them calculate).
- The player whose cards have the greater product wins all 4 cards and places them in their "win" pile.
- If both players have the *same* product, they have a FACE OFF and are each dealt 2 more cards to multiply together. The player with the greater product in this round wins all 8 cards.
- The game ends when all the cards have been used. The player with the most cards in their "win" pile at the end of the game wins.

Variation:
- To practice multiplying 2-digit by 1-digit numbers, players can be dealt 3 cards. Players then make a 2-digit number and 1-digit number from their 3 cards to multiply together, e.g. if dealt a 4, 8, & 3, you can make: 43x8=344

Sum ZERO

Skill: Adding Integers
Players: 2-3
Materials:
- Deck of cards - face cards removed, Aces = 1

Rules:
- BLACK cards are POSITIVE numbers, RED cards are NEGATIVE numbers.
- Each player is dealt 6 cards, the remaining cards are left in a draw pile in the middle.
- The first player goes by trying to find a combination of cards in their hand that add to 0. When they have a sum of 0, they show their opponent how they made 0.
- They set the used cards aside in a pile, their bank and then draw enough cards to replace the cards played from the draw pile.
- .Players take turns trying to make a sum of 0 with the cards in their hand.
- If a player is unable to make 20, then they must draw a card and their turn ends.
- Play continues until all the cards have been drawn and no one can make 20.
- At the end of the game, the player with the most cards in their bank pile wins.

Integer FACE OFF

Skill: Adding & Subtracting Integers
Players: 2
Materials:
- Deck of cards with face cards removed, Aces = 1 (OR Jacks=11, Queen=12, King=13)

Rules:
- BLACK cards are POSITIVE numbers, RED cards are NEGATIVE numbers.
- Divide cards into 2 equal piles, one for each player.
- Before play begins, players decide if they will be ADDING or SUBTRACTING integers.
- At the same time, each player turns over 2 cards from their pile and add or subtract their values (as decided before the game).
- The player with the higher value wins all 4 cards and adds them to the bottom of their pile.
- If there is a tie and players both have the same value, there is a FACE OFF. Each player turns over an additional card, the player with the higher value card wins all the cards from that round.
- Play continues until one player has all the cards or until time is up, the player with the most cards wins.