

Math Facts Practice

The following games can be played using a regular deck of cards. Remove the face cards and use the Aces as ones. **Middle School multiplication and division practice.**

Ten in the Pool (Practice Combinations of 10; Grades 1 to 3)

Remove the tens from the deck, use cards 1 through 9. Deal 3 rows of three cards each, face up. Player 1 looks for 2 cards whose sum is ten ($1+9$, $2+8$ etc.) and removes any such pairs of cards. When Player 1 announces that he/she is finished, Player 2 has the chance to steal any combinations of 10 that Player 1 missed. Player 2 replaces any cards to maintain 3 rows of 3 cards, and takes his/her turn. If no combinations are showing, add a card, one at a time, until a combination occurs. Go back to 3 rows of 3 cards as soon as possible. Players take turns until all the cards are used. When done correctly all cards will be paired in combinations of ten.

Number Top-It (Practice addition, subtraction, or multiplication facts; Grades 1-5)

Place the deck face down in front of two or more players. Each player removes two cards from the top of the deck and places them face up in front of them. Each player states the addition/subtraction/multiplication fact using their two cards. The player with the highest sum/difference/product gets all four cards. Continue until all cards are used. N.B. When playing Subtraction Top-It, subtract the smaller number from the larger.

War (Practice addition, subtraction, multiplication and divisions facts)

Addition/Subtraction/Multiplication: Evenly divide the deck and place face down in front of two players. Each player turns a card face up and places it down. The first player to correctly say the sum/difference/ or product of the two cards gets the cards. If a player guesses incorrectly, then the other player has time to make their guess. In case of a tie either each player gets a card, or leave the cards on the table and the winner of the next round gets all four cards.

Variation of addition and subtraction: Follow the directions for Division War for a three way game.

Division: Three people and a multiplication chart are needed for this game. One person is the "Expert" and can use the multiplication chart as needed. Divide the cards evenly between the other two players and keep face down. Each of the two players with cards flip a card from the deck so that they can't see it and hold it on their forehead so that the other player and the Expert can see it. (Each player can see the other player's card, but doesn't know their own card; the Expert can see both cards). The Expert states the product of the two cards (be sure not to say the factors). The first player to correctly say their own card gets the two cards. If a player is incorrect, the other player has time to make a guess. In case of a tie, either each player gets a card or leave the cards on the table and the winner of the next round gets all four cards. Continue until all the cards are used.

Variation of multiplication and division: For older students, when facts 1 through 10 are mastered, add the Jacks= 11 and the Queens= 12 .