

Name: _____

Make 24

Take 4 numbers from 1 to 9. Use the operations of addition, subtraction, multiplication and division, to make a number sentence that equals 24.

Tools: + - X ÷ ()

Example:

4 3 3 6

$$6 \times 4 + (3 - 3) = 24$$

Numbers:	Make 24!
6 5 5 1	
3 2 6 3	
3 7 6 3	
2 1 9 4	
7 9 3 2	
2 9 4 2	
4 5 6 2	
7 8 2 3	

Playing 24 with an ordinary deck of cards:

This game can be played with an ordinary deck of playing cards with all the face cards removed. The aces are taken to have the value 1 and the basic game proceeds by having 4 cards thrown and the first player that can achieve the number 24 using only addition, subtraction, multiplication, division (the numbers must divide evenly), and parentheses wins the hand.

For short games of 24, once a hand is won, the cards go to the player that won. If everyone gives up, the cards are shuffled back into the deck. The game ends when the deck is exhausted and the player with the most cards wins.

Longer games of 24 proceed by first dealing the cards out to the players. Players are eliminated when they no longer have any cards.

A slightly different version has the face cards, Jack, Queen, and King, to have the value 11, 12, and 13, respectively. Another version allows all face cards to be worth 10 with the ace worth 1 or 10.

Some more numbers:

7 1 6 3

9 6 3 3

3 2 9 4

4 3 4 6