

# The 24 Game

## Description:


Participants use problem solving skills combined with their knowledge of mathematics (addition, subtraction, multiplication and division) to make the number 24 using the 4 numbers provided on the game cards.

**Number of Participants:** 2

**Approximate Time:** 45 minutes

## The Competition:

1. Each team will be provided a set of 30 game cards.
2. Each team will be provided with the exact same set of cards. They may solve them in any order they choose.
3. Participants will write out the complete solution (all three steps) to arrive at 24 on paper provided for each card.
4. The game cards will be varying degrees of difficulty (1 dot, 2 dot and 3 dot cards). [Single digit](#) and [double digit](#) game cards requiring addition, subtraction, multiplication and division will be used.

|  |   |                    |
|--|---|--------------------|
| <b>Example<br/>card and<br/>solution</b> |  | $4 \times 3 = 12$  |
|  |   | $12 \times 2 = 24$ |
|  |   | $24 \div 1 = 24$   |

## Scoring:

The score will be based on the following:

- Each correctly solved card will be worth 2 points. Partial credit will NOT be provided.
- Correct responses will be multiplied by the Dot value of the cards, 1 dot, 2 dots, or 3 dots.
  - **Example:** Participants correctly solve the 1 dot card above. The score for that card would be  $2 \times 1 = 2$ . If the card above was a 3 dot card, the score would be  $2 \times 3 = 6$ .
- Total points scored will be added together for a final score.
- Time will be used as a tie breaker.