

Chess is believed to have originated in India sometime before the $7^{\text {th }}$ century from the game chaturanga, which is also the likely ancestor of the Eastern strategy games Xiangai, Janggi, and Shogi. The pieces assumed their current powers in Spain in the late $15^{\text {th }}$ century, and its rules were standardized in the $19^{\text {th }}$ century. Chess is a two-player strategy board game played on a chessboard, that is, a checkered game board with 64 squares. The squares are arranged in eight rows (called ranks and denoted with numbers 1 to 8 ) and eight columns (called files and denoted with letters a to h). Each player begins with 16 pieces: one king, one queen, two rooks, two knights, two bishops, and eight pawns. Each of the six piece types moves differently, with the most powerful being the queen and the least powerful the pawn. The objective is to checkmate the opponent's king by placing it under an inescapable threat of capture. To this end, a player's pieces are used to attack and capture the opponent's pieces, even while supporting each other. In addition to checkmate, the game can be won by voluntary resignation of the opponent, which typically occurs when too much material is lost or checkmate appears inevitable. There are also several ways a game can end in a draw. When a king is under immediate attack by one or two of the opponent's pieces, it is said to be in check. A response to a check is a legal move if it results in a position where the king is no longer under direct attack (that is, not in check). Once in every game, under specific conditions, each king is allowed to make a special move, known as castling. Castling consists in moving the king two squares along the first rank toward a rook (which is on the player's first rank) and then placing the rook on the last square that the king has just crossed.

