

Array War

Use with Math with Someone

Concept	Use arrays to compare the products of multiplication problems.
Materials Needed	<p>Each student will need the following:</p> <ul style="list-style-type: none"> Counters such as Unifix cubes (the number used will vary, depending on the size of multiplication) Deck of cards using only number cards 2–10 to share with a partner
Directions	<p>The basic premise of the game is similar to the card game War but uses manipulatives as concrete objects to help learners compare arrays and products.</p> <ol style="list-style-type: none"> Shuffle the deck of cards and deal them equally between both players. Players keep their cards facedown in front of them in a single pile. Players flip over their top two cards and place them in front of themselves. Each player uses counters to create an array to show the multiplication and then uses the array to find his or her product. Players compare arrays and products. The player who has the larger product gets to keep all the cards. Each player takes his or her counters back to use during the next round. If the products are equal, both players take their own cards and counters. Players who run out of cards to draw from shuffle their winnings pile and continue play. Play continues until one player has no cards remaining.
Differentiate	<p>To differentiate for struggling students, limit the cards to numbers 2–5.</p> <p>To differentiate instruction for advanced students, students could write the equation showing the repeated addition and/or multiplication involved.</p>