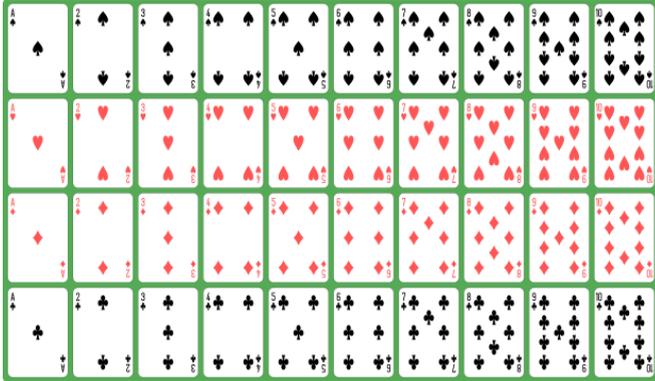


POSITIVE AND NEGATIVE NUMBERS

Level	3 (Age group 12-14)
Resources Required	Deck of cards with face cards, jokers and aces removed
Alternate Options for the Resources	<p>Players can make a deck of cards by following the steps below:</p> <ol style="list-style-type: none"> 1. Take a piece of card or paper and cut a rectangle the size of your palm 2. On one side of the card, write the number '2' and draw 2 hearts using a red pencil (or any color) 3. Repeat this for the numbers 2-10, each time drawing the same number of hearts as the number you wrote (the number 3 card has 3 hearts drawn etc.) 4. When one set of 2-10 is complete, then repeat this for a set of diamonds (use a red pencil for this OR the same color pencil as used for the heart), clubs (using a lead pencil) and spades (using a lead pencil). 5. Once you have completed this, you should have 4 sets of 2-10 (36 cards in total) with each set having a different symbol. Diamonds and hearts sets should be in one color and spades and clubs should be in another color. 6. Refer to the images section to make sure the cards are made right
Strand Covered	Numbers and Operations
Targeted Skills	Practice positive and negative numbers
Inspired by	Education.com
Time Required	15 minutes for the game 30 minutes to make the cards
Previous Learning Required	Knowledge positive and negative numbers Knowledge Adding and subtracting integers.
Support Required	Medium support

Rules of the Game:

Goal	To have the greatest number of cards once all the players have finished their deck.
Rules	<ol style="list-style-type: none"> 1. Once a player has called out an answer, if it is incorrect, they need to wait until all the other players have presented an answer to call another answer out. 2. All players must flip their cards at the same time 3. Red cards (diamonds and hearts) are negative numbers, black cards (clubs and spades) are positive numbers. 4. Only 3-4 players can be accommodated in this game
Steps	<ol style="list-style-type: none"> 1. Each player is dealt the same number of cards (12 cards per person if 3 players, 9 cards per player if 4 players) 2. The cards dealt are kept face down in front of each player.

	<ol style="list-style-type: none"> 3. The players sit in a circle and on the count of 3, reveal their top card. 4. The first player to call out the correct summation of the cards, keeps the cards for that round. For example, in a 3-player game if the first cards revealed are a red 3, black 2 and black 9, the player to call out 8 first ($9+2-3$) gets to keep the 3 cards in a separate pile. 5. The game ends once all the players have completed the deck of initially dealt cards. The game should last 9 or 12 rounds depending on the number of players. 6. The player with the most cards in their second pile of collected cards, wins.
<p>Images or Illustrations</p>	<p>Deck of cards:</p> 
<p>Variations of the Game</p>	<ol style="list-style-type: none"> 1. The game can be played with multiplication instead of addition.
<p>Enrichment</p>	<ol style="list-style-type: none"> 1. This game can be played with division of integers
<p>Simplification</p>	<ol style="list-style-type: none"> 1. Play the game with 2 players; that way the operation only has to be done with two numbers.