# Largest 3-Digit Sum

**Rules of the Game:**

<table>
<thead>
<tr>
<th>Level</th>
<th>2 (Age group 8 – 10)</th>
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</table>
| Resources Required | Digit Cards (as shown under the Images or Illustrations section)  
Paper  
Pencil |
| Alternate Options for the Resources | Students groups can make small digit cards by:  
1. Cutting 30 pieces of paper to the size of their palm  
2. On 10 of these cards, write a unique number from 0-9  
3. Repeat this for two other sets of 10  
4. Each team should have 30 cards each |
| Strand Covered | Numbers and Operations |
| Targeted Skills | Addition of 3 digital numbers |
| Developed by | Math Wire |
| Time Required | 40 minutes total  
15 minutes to make cards |
| Previous Learning Required | Learn to add and subtract within 1000 |
| Support Required | Low support |
| Goal | The team with the most points when the game ends, wins |
| Rules | Student groups can only draw 6 cards per round.  
Students are not allowed to swap out cards they drew from the pile  
Each round is allocated one point, so the winner of that round can get a maximum of one point  
Recommended for 2 or more players, separated evenly into groups |
| Steps | Step 1: Place the digit cards face down in a shuffled pile in front of each group  
Step 2: Round 1 begins and every group draws 6 cards from their own pile.  
Step 3: On a piece of paper, each team lays out the largest two 3-digit numbers they can make  
Step 4: Using a pencil they write out the total sum of their 3-digit numbers  
Step 5: The group with the largest sum gets one point and the game continues for 6 more rounds. Each time the cards are returned to the pile |
### Variations of the Game

1. This game can be played individually instead of in teams

### Enrichment

1. Instead of addition of 3-digit numbers, it can be targeted addition of 2-digit, decimals or 4-digit numbers.
2. The game can be played with subtraction and multiplication as well in the same way

### Simplification

1. The players are allowed to swap cards one time if they are not satisfied with the first set of cards drawn