

LARGEST 3-DIGIT SUM

Level	2 (Age group 8 – 10)
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: <ol style="list-style-type: none"> 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

Rules of the Game:

Goal	The team with the most points when the game ends, wins
Rules	<p>Student groups can only draw 6 cards per round.</p> <p>Students are not allowed to swap out cards they drew from the pile</p> <p>Each round is allocated one point, so the winner of that round can get a maximum of one point</p> <p>Recommended for 2 or more players, separated evenly into groups</p>
Steps	<p>Step 1: Place the digit cards face down in a shuffled pile in front of each group</p> <p>Step 2: Round 1 begins and every group draws 6 cards from their own pile.</p> <p>Step 3: On a piece of paper, each team lays out the largest two 3-digit numbers they can make</p> <p>Step 4: Using a pencil they write out the total sum of their 3-digit numbers</p> <p>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</p>

<p>Images or Illustrations</p>	<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="font-size: 2em;">0</td> <td style="font-size: 2em;">1</td> <td style="font-size: 2em;">2</td> <td style="font-size: 2em;">3</td> <td style="font-size: 2em;">4</td> </tr> <tr> <td style="font-size: 2em;">5</td> <td style="font-size: 2em;">6</td> <td style="font-size: 2em;">7</td> <td style="font-size: 2em;">8</td> <td style="font-size: 2em;">9</td> </tr> <tr> <td style="font-size: 2em;">0</td> <td style="font-size: 2em;">1</td> <td style="font-size: 2em;">2</td> <td style="font-size: 2em;">3</td> <td style="font-size: 2em;">4</td> </tr> <tr> <td style="font-size: 2em;">5</td> <td style="font-size: 2em;">6</td> <td style="font-size: 2em;">7</td> <td style="font-size: 2em;">8</td> <td style="font-size: 2em;">9</td> </tr> </table>	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
0	1	2	3	4																	
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<p>Variations of the Game</p>	<ol style="list-style-type: none"> 1. This game can be played individually instead of in teams 																				
<p>Enrichment</p>	<ol style="list-style-type: none"> 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 																				
<p>Simplification</p>	<ol style="list-style-type: none"> 1. The players are allowed to swap cards one time if they are not satisfied with the first set of cards drawn 																				