

## LARGEST 3-DIGIT SUM

<b>Level</b>	2 (Age group 8 – 10)
<b>Resources Required</b>	Digit Cards (as shown under the Images or Illustrations section) Paper Pencil
<b>Alternate Options for the Resources</b>	Students groups can make small digit cards by: <ol style="list-style-type: none"> <li>1. Cutting 30 pieces of paper to the size of their palm</li> <li>2. On 10 of these cards, write a unique number from 0-9</li> <li>3. Repeat this for two other sets of 10</li> <li>4. Each team should have 30 cards each</li> </ol>
<b>Strand Covered</b>	Numbers and Operations
<b>Targeted Skills</b>	Addition of 3 digital numbers
<b>Developed by</b>	Math Wire
<b>Time Required</b>	40 minutes total 15 minutes to make cards
<b>Previous Learning Required</b>	Learn to add and subtract within 1000
<b>Support Required</b>	Low support

### Rules of the Game:

<b>Goal</b>	The team with the most points when the game ends, wins
<b>Rules</b>	<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>
<b>Steps</b>	<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><b>Images or Illustrations</b></p>	<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="font-size: 2em;"><b>0</b></td> <td style="font-size: 2em;"><b>1</b></td> <td style="font-size: 2em;"><b>2</b></td> <td style="font-size: 2em;"><b>3</b></td> <td style="font-size: 2em;"><b>4</b></td> </tr> <tr> <td style="font-size: 2em;"><b>5</b></td> <td style="font-size: 2em;"><b>6</b></td> <td style="font-size: 2em;"><b>7</b></td> <td style="font-size: 2em;"><b>8</b></td> <td style="font-size: 2em;"><b>9</b></td> </tr> <tr> <td style="font-size: 2em;"><b>0</b></td> <td style="font-size: 2em;"><b>1</b></td> <td style="font-size: 2em;"><b>2</b></td> <td style="font-size: 2em;"><b>3</b></td> <td style="font-size: 2em;"><b>4</b></td> </tr> <tr> <td style="font-size: 2em;"><b>5</b></td> <td style="font-size: 2em;"><b>6</b></td> <td style="font-size: 2em;"><b>7</b></td> <td style="font-size: 2em;"><b>8</b></td> <td style="font-size: 2em;"><b>9</b></td> </tr> </table>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
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<p><b>Variations of the Game</b></p>	<p>1. This game can be played individually instead of in teams</p>																				
<p><b>Enrichment</b></p>	<p>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>																				
<p><b>Simplification</b></p>	<p>1. The players are allowed to swap cards one time if they are not satisfied with the first set of cards drawn</p>																				