**Case Study #2 – AT Category: Learning, Cognition, Development (SETT)**

**S**tudent – 8th grader struggling with basic math concepts

**E**nvironments – General education classroom

**T**asks – Learning how to perform simple math calculations by using both physical and virtual math manipulatives.

**T**ools

## **Low-Tech Mid-Tech High-Tech**

 MathLine (physical and virtual manipulative) and National Library of Virtual Manipulatives

STEP 1: Based on S-E-T data, enter descriptors or functions needed by the student across the shaded top row - 1 descriptor per column

STEP 2: Enter promising tools in the shaded left column - 1 tool per row

STEP 3: Note whether each tool matches a descriptor by placing an “X” in each of the applicable white boxes

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| --- | --- | --- | --- | --- | --- | --- |
| **Descriptors** | Teaches concrete methods of adding, subtracting | Teaches concrete methods of pre-algebra  | Online math help  | Easy to use |  |  |
| **Tools** |
| Mathline | X | X | X | X |  |  |
| Virtual manipulatives | X | X | X | X |  |  |
|  |  |  |  |  |  |  |
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