**Case Study #1 – AT Category: Learning, Cognition, Development (SETT)**

**S**tudent – Elementary Student who struggles with math

**E**nvironments – math and science classrooms

**T**asks – Performing simple calculations, counting money, rounding number, press keys verbally to enter in equations

**T**ools – Does the student already have access to tools?

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

Slide-A-Round Math Manipulatives – Coin-U-Lator – Coin Math App

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Descriptors** | Aids calculations and/or aids in entering calculations | Aids composition | Auditory feedback | Battery operated/ rechargeable | Durable | Easy to use |
| **Tools** |
| Slide-A-Round Math Manipulatives | X |  |  |  | X | X |
| Coin-U-Lator | X |  | X | X | X | X |
| Coin Math app (with iPad and durable case) | X |  | X | X | X | X |
|  |  |  |  |  |  |  |