Master 100: Activity 36 Assessment Multi-Digit Fluency

| Estimating Sums and Differences Behaviours/Strategies |  |  |  |
| :---: | :---: | :---: | :---: |
| 1. Student guesses and is unable to estimate sums and differences. $\begin{gathered} 19+31 \\ \text { " } 200!\text { " } \end{gathered}$ | 2. Student estimates sums and differences, but estimate is unreasonable. $\begin{gathered} 19+31 \\ \text { " } 20 \text { " } \end{gathered}$ | 3. Student estimates sums and differences, but changes estimate to match actual sum or difference. | 4. Student successfully estimates sums and differences of multidigit numbers. |
| Observations/Documentation |  |  |  |
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| Adding and Subtracting with Multi-Digit Numbers Behaviours/Strategies |  |  |  |
| 1. Student counts and does not use efficient mental strategies to solve equations. | 2. Student uses the same mental strategy to solve all equations with multi-digit numbers. | 3. Student uses efficient mental strategies to solve addition equations with multi-digit numbers, but struggles with subtraction. | 4. Student successfully uses efficient mental strategies to solve equations with multi-digit numbers. |
| Observations/Documentation |  |  |  |
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Mathology 2
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