# Master 97: Activity 35 Assessment
## Mastering Addition and Subtraction Facts

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### Adding and Subtracting Numbers to 20 Behaviours/Strategies

| 1. Student fluently adds and subtracts within 5. | 2. Student fluently adds and subtracts to 10. | 3. Student fluently adds and subtracts to 20. |
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| **"I know 4 + 1 = 5 and 5 − 1 = 4."** | **"I know 8 + 2 = 10 and 10 − 2 = 8."** **(complements to 10)** | **"I can use doubles. I know 9 + 9 = 18 and 18 − 9 = 9."** |

### Observations/Documentation

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### Using Known Facts and Mental Math Behaviours/Strategies

| 4. Student uses known sums and differences to solve addition and subtraction equations. | 5. Student uses properties and inverse operations of addition and subtraction to solve problems. | 6. Student uses related facts and develops mental strategies and algorithms. |
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| **25 + 17 = \_\_\_** **"I know 25 + 20 = 45, and 45 minus 3 is 42."** **(decomposing, known facts)** | **41 − \_\_\_ = 12** **"I can think addition to help me solve the problem: 12 + \_\_\_ = 41."** | **19 + 22 = \_\_\_** **"I take 1 from 22 and give it to 19 to get 20 + 21. 20 + 20 = 40, and 1 more is 41."** **(compensation)** |

### Observations/Documentation

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