|  |
| --- |
| **Adding and Subtracting Numbers to 20 Behaviours/Strategies** |
| 1. Student fluently adds and subtracts within 5.

**“I know 4 + 1 = 5 and5 – 1 = 4.”** | 1. Student fluently adds and subtracts to 10.

**“I know 8 + 2 = 10 and10 – 2 = 8.”(complements to 10)** | 1. Student fluently adds and subtracts to 20.

**“I can use doubles.I know 9 + 9 = 18 and18 – 9 = 9.”** |
| **Observations/Documentation** |
|  |  |  |
|  |  |  |
| **Using Known Facts and Mental Math Behaviours/Strategies** |
| 1. Student uses known sums and differences to solve addition and subtraction equations.

**25 + 17 = \_\_\_“I know 25 + 20 = 45, and 45 minus 3 is 42.”****(decomposing, known facts)** | 1. Student uses properties and inverse operations of addition and subtraction to solve problems.

**41 − \_\_\_ = 12“I can think addition to help me solve the problem:12 + \_\_\_ = 41.”** | 1. Student uses related facts and develops mental strategies and algorithms.

**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** |
|  |  |  |