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| **Adding and Subtracting Fractions** | | | |
| Estimates the sum or difference  of fractions or mixed numbers  2+ 3  “Because is a small fraction,  I can think of the second number  as 3. To compensate and because  is a bigger fraction, I’ll think of the  first number as 3. My estimate for the sum is 3 + 3 = 6.” | Adds or subtracts fractions or mixed numbers  “To add 2+ 3, I’m going to think  of the whole numbers and fractions separately.  (2 + 3) + (+ )  = 5 + (+ )  I need to express both fractions with the same denominator.  = 5 + (+ × )  = 5 + (+ )  = 5” | Completes calculations involving both adding and subtracting fractions or mixed numbers  “1− +  I’m going to write equivalent fractions with denominators of 8.  1 + (× ) – + (× )  = 1− +  = 1+  = 1" | Solves problems that involve  the addition and/or subtraction  of fractions  “Samar is cutting pieces from a 4 ft long wooden board. How much is  left after they cut a piece 1ft long  and another piece ft long?  I can represent this with the  expression 4 – 1– .  First, I’ll subtract the whole numbers.  4 – 1– = 3 – –  Next, I’ll write each number as a fraction with a denominator of 12.  = – –  = , or 1  There are 1ft left.” |

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| **Observations/Documentation** | | | |
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