|  |  |  |  |
| --- | --- | --- | --- |
| **Adding Fractions and Mixed Numbers** | | | |
| Models addition of fractions or mixed numbers with like denominators  +    I used pattern blocks. A triangle is .  So, 3 + 2 = 5 triangles make .  So, + = . | Models addition of fractions or mixed numbers with unlike denominators  +    I divided one rectangle into 2 equal pieces and another rectangle into  12 equal pieces. I shaded 1 part of the first rectangle and 7 parts of the second rectangle. I needed the sizes of the pieces to be the same,  so I divided the 2 parts of the first rectangle into 6 parts each; altogether this made 12 parts.  This showed 6 of 12 parts and 7 of 12 parts being shaded. Altogether, this combined to 13 parts. There are 12 parts in one whole, so the answer  is 1. | Uses equivalent fractions to add fractions or mixed numbers  1+  1+ = +  = +  =  = 2  = 2 | Solves a problem involving the addition of fractions or mixed numbers  A student studied 1h for a math  test and 1 h for a science test.  How long did the student study  in total?  1+ 2= (1 + 2) + (+ )  = (1 + 2) + (+ )  = 3 +  = 3 + 1 +  = 4  The student studied for 4h. |
| **Observations/Documentation** | | | |
|  |  |  |  |