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| **Subtracting Fractions and Mixed Numbers** | | | |
| Models subtraction of fractions or mixed numbers with like denominators  −    I used a frame with 8 parts. I drew  7 circles for . I shaded 5 circles blue  for , then shaded the remaining circled red. The difference is 2.  So, − = . | Models subtraction of fractions or mixed numbers with unlike denominators  −    I divided one rectangle into 12 equal pieces and another rectangle into 4 equal pieces. I shaded 7 parts of the first rectangle and 1 part of the second rectangle. I needed the sizes of the pieces to be the same, so I divided the 4 parts of the second rectangle into 3 parts each; altogether this made 12 parts. This showed 7 of 12 parts and 3 of 12 parts being shaded. The difference  is 4 parts. So, the answer is , which is . | Uses equivalent fractions to subtract fractions or mixed numbers  1− = −  = −  =  = | Solves a problem involving the subtraction of fractions or mixed numbers  A student studied 1 h for a math  test and 2h for a science test.  How much longer did the student study for the science test?  2− 1  = (2 − 1) + (− )  = (2 − 1) + (− )  = 1 +  = 1  The student studied for 1h more  studying for the science test. |
| **Observations/Documentation** | | | |
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