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| **Clarity for Learning**  |
| **Standard KY.5.NF.1** Efficiently add and subtract fractions with unlike denominators (including mixed numbers) by… ● using reasoning strategies, such as counting up on a number line or creating visual fraction models ● finding common denominators |
| **Concepts (Nouns)**fractionsunlike denominatorsmixed numbersreasoning strategiesnumber linevisual fraction modelcommon denominators | **Skills (Verbs)**addsubtractusingcounting upcreatingfinding |
| **Learning Progressions** *Prerequisites:** Identify and list multiples of a number.
* Generate equivalent fractions using area models, number lines, multiplication, and division.
* Add and subtract fractions, including mixed numbers, with like denominators.

*Grade Level Skills:* * Use hands-on materials to create visual fraction models of adding and subtracting fractions, including mixed numbers, with unlike denominators.
* Use drawings to show how to find common denominators when adding and subtracting fractions, including mixed numbers, with unlike denominators.
* Generate common denominators using multiplication and/or division.
* Use reasoning strategies to add and subtract fractions, including mixed numbers, with unlike denominators.

*Clarifications:* KY.4.NF.3 (KY.4.NF.1) → KY.5.NF.1→KY.6.EE.7  |
| **Learning Intentions (I am learning to...)** | **Success Criteria (I know I’m successful when...)** |
| Efficiently add and subtract fractions, including mixed numbers, with unlike denominators.  | * I can generate equivalent fractions for a given fraction.
* I can find common denominators for fractions with unlike denominators.
* I can add fractions with unlike denominators.
* I can subtract fractions with unlike denominators.
* I can generate equivalent fractions to add and subtract to add and subtract fractions with unlike denominators.
* I can add mixed numbers using models.
* I can add mixed numbers.
* I can use models to subtract mixed numbers.
* I can subtract mixed numbers.
* I can add and subtract mixed numbers.
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