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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)**  fractions  unlike denominators  mixed numbers  reasoning strategies  number line  visual fraction model  common denominators | **Skills (Verbs)**  add  subtract  using  counting up  creating  finding |
| **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. |