## Essential Element, Linkage Levels, and Mini-Map

**Math: Grade 5**

**M.EE.5.NF.1**

<table>
<thead>
<tr>
<th>Grade-Level Standard</th>
<th>DLM Essential Element</th>
<th>Linkage Levels</th>
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| **M.5.NF.1** Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators. For example, \(\frac{2}{3} + \frac{5}{4} = \frac{8}{12} + \frac{15}{12} = \frac{23}{12}\). (In general, \(\frac{a}{b} + \frac{c}{d} = \frac{ad + bc}{bd}\).) | **M.EE.5.NF.1** Identify models of halves \((1/2, 2/2)\) and fourths \((1/4, 2/4, 3/4, 4/4)\) | **Initial Precursor:**  
- Recognize some  
- Recognize separateness  

**Distal Precursor:**  
- Partition sets into equal subsets  
- Partition any shape into equal parts  

**Proximal Precursor:**  
- Recognize one fourth in a set model  
- Recognize one half in a set model  
- Recognize one half on an area model  
- Recognize one fourth on an area model  

**Target:**  
- Recognize fourths in a set model  
- Recognize halves in a set model  
- Recognize halves on an area model  
- Recognize fourths on an area model  

**Successor:**  
- Recognize proper fractions with a set model  
- Recognize proper fractions with an area model

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A diagram showing the relationship of nodes in the mini-map appears below.

**Key to map codes in upper right corner of node boxes:**

- **IP** Initial Precursor
- **SP** Supporting
- **DP** Distal Precursor
- **S** Successor
- **PP** Proximal Precursor
- **UN** Untested
- **T** Target
M.EE. 5.NF.1 Identify models of halves (1/2, 2/2) and fourths (1/4, 2/4, 3/4, 4/4)