Lisa's Grade 5-6 Fractions Planning Map

Key planning suggestions: Use the Fractions Learning Pathways (FLP) to support planning. Punctuate instruction (revisit and extend) with two to five lessons per month focusing on fractions concepts in order to develop and solidify ideas. Embed fractions throughout the curriculum to allow students opportunities to deepen understanding, by reinforcing and extending concepts over time.

Topic	**Representing fractional amounts using Linear Models**	**Representing fractional amounts using Linear and Area Models**
Month	September	October
Concepts on FLP	***Unit A, Unit D, Comp E***	***Unit A, Unit B,* Op B**
Tasks (including extensions and revisits)	**Assessment** – Gap Closing document. • **Counting Game *(Unit D)*:** emphasize unit fractions (fractions are quantities that can be counted, e.g., 1 one-sixth, 2 one-sixths … 1 whole, 7 one-sixths). • **Living Number Line (*Unit A*)**: emphasize equal partitions, benchmark fractions and numbers beyond 1. • **Pretty Powerful Paper Folding *(Comp E)***: emphasize usefulness when comparing fractions and determining equivalent fractions.	**Assessment** Represent Fractions (connect to 2/5 and 4/10) • **Walk the Line *(Unit A)***: emphasize strategies for equi-partitioning. • **Desktop Fractions (*Unit B*)**: emphasize the connections between linear and area models. • **Revised Building Flags Task (*Op B*)**: emphasize that there are many ways to decompose an area.
Opportunities to Connect Cross Strand	**Number Sense and Numeration** • place value: include fractions/decimals on the same number line **Measurement** • connecting importance of the unit in measurement to the unit in fractions • converting units of measure (numbers, decimals, 1mm, 2mm)	**Number Sense and Numeration** • multiplication: simple multiplicative relationships involving whole numbers and fractions **Measurement** • equal partitions **Patterning and Algebra** • number of sections relative to number of folds

Topic	**Representing, comparing and ordering fractional amounts using Linear and Area Models**	**Representing, comparing and ordering fractional amounts, ratio using Linear, Area and Set Models**
Month	November	December
Concepts on FLP	***Unit D, Comp A – E, Op C*, Op D**	***Unit F, Comp A***
Tasks (including extensions and revisits)	• Revisit **Counting Game *(Unit D)*** • Revisit **Living Number Line**: emphasize that fractions can represent numbers greater than one. • **Train Game (*Op C*)** • **Building a Stage (*Op D*)** • **Comparing Fractions Tasks (Comp A – E)**: select prompts based on student need.	• **Fraction Shape Sets (*Unit F*)** • **Recipe Task *(Comp A)***: emphasize connections between two-dimensional models, such as an area or region and three-dimensional models based upon capacity or mass.
Opportunities to Connect Cross Strand	**Number Sense and Numeration** • multiplication: an area model relates to an array **Geometry and Spatial Sense** **Measurement** • linear measurement: decimal units relate to fractional units	**Number Sense and Numeration** • division • percent • ratio **Measurement** • area, volume • equal capacity or mass **Geometry and Spatial Sense** • attributes

Topic	**Representing in real-life situations, equivalent fractions**	**Equivalent fractions**	
Month	January	February	
Concepts on FLP	***Unit B, Unit D***	***Unit D, Unit F,* Comp E, Op B**	
Tasks (including extensions and revisits)	• **Brownie Sharing (*Unit B*)**: emphasize changing denominators (units within a constant whole).	Assessment - Frayer Model: Represent 2/5 using an area model, linear model and set model	• Revisit **Counting Game *(Unit D)*** • **I have, who Has? (*Unit F*)** • Revisit **Pretty Powerful Paper Folding *(Comp E)***: emphasize that as the digit in the denominator increases, the size of the region decreases. • **Building Flags *(Op B)*:** emphasize equivalent fractions and spatial reasoning. • **Changing Wholes with Pattern Blocks *(Unit F)***
Opportunities to Connect Cross Strand	**Number Sense and Numeration** • division **Patterning and Algebra** • repeated folding (e.g., think about the number of folds compared to the number of equal parts) **Data Management and Probability**	**Geometry** • shape • transformational geometry **Data Management and Probability** more, less or equally likely	

Topic	**Relationship between fractions, decimals, percents**	**Ratio, equivalent fractions**	**Review**
Month	March	April	May/June
Concepts on FLP	***Comp B,* Op B**	***Comp A - E,* Op A**	
Tasks (including extensions and revisits)	Assessment I Know /I Wonder • **Comparing fractions using fraction stories (Comp B)** • Revisit **Building Flags *(Op B)*:** add decimal equivalents to flags and number sentences. • **Rock/ Paper/ Scissors**: emphasize applications of fractions in probability.	• **Comparing Fractions Tasks (Comp A – E)**: select prompts based on student need. **Recipe Task (*Op A*)**: emphasize equivalent fractions, counting fractions.	Post-Assessment using the Pre-Assessment Tool Review and revisit fractions concepts as required.
Opportunities to Connect Across Strands	**Data Management and Probability** • relate circle graphs to wrapped number lines and fractions	**Geometry and Spatial Sense** **Patterning**	