

Lesson Plan for KNP Activity

F 7703.2: Is it Fair? Fraction Sort

Teacher Planning Notes:	
Task Group Number: 7703	Task Group Name: Rods and Strips
Strand: Fractions	Activity Level and Color: 2 Blue
KNP Activity Link with access to Printables and Student Instructions: /knp/activity.php?id=7703.2&prefix=F	
Numeracy Target: Facile partitioning (e.g. verifying a shape has been partitioned into fourths or eighths) Numeracy Targets Chart	
Fluency Benchmark: Fractions Fluency with fractions	
Kentucky Academic Standard(s): KY.2.G.3 , KY.3.G.2	
Student-Friendly Learning Target: I am learning to determine if a rectangle has been partitioned fairly. I am learning to determine if a shaded portion of a rectangle is one-half or one-fourth.	
Suggested Student Grouping(s): individual/partners/small group	
Materials: Fraction Sort Cards sets A through D, Sorting Board, Answer Cards	

Activity Description:

Students work individually, in pairs or in a group to sort one set of cards at a time, starting with set A. Place the "rule" card for the set in use at the top of the sorting board. The rule card states the type of sorting that should happen for that set (e.g. "halves" and "not halves") Then students sort the cards, either working collaboratively or taking turns choosing, then placing, a card. An answer card is available for students to check work independently if needed. If a student is struggling to see if a shape is divided fairly, it may be helpful to allow the student to cut out the rectangle then fold the rectangle to make halves.

The card sets are labeled A through D and progress in difficulty.

As an extension, provide a paper strip to each student. Each student will fold or use a marker to partition the strip and/or shade in a region of the strip. The other students then decide on which side of the sorting mat the strip belongs.

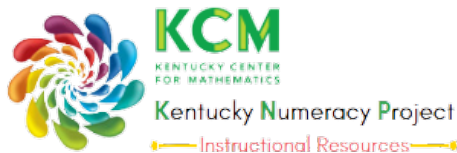
Teacher Notes:

Students are applying math practice 3, i.e. critiquing someone else's reasoning for partitioning.

Evidence of Learning (Diagnostic Assessment of Progress):

Ask student to sort card Set D independently.

KNP ID #F 7703.2



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