Activity 17 Assessment
Partitioning Sets

Exploring Fractions

Partitions whole (area or length) into equal parts	Counts parts using unit fractions	Understands the meaning of the numerator and denominator	Compares unit fractions
"I folded the line into 4 equal parts."	"1 one-fourth, 2 one-fourths, 3 one-fourths, 4 one-fourths"	"I counted 4 one-fifths, which tells me I have $\frac{4}{5}$ altogether. 4 is the number of parts shaded and 5 is the total number of equal parts."	"One-half is bigger than one-third of the same whole."
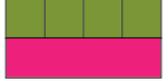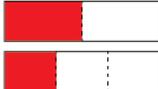
Observations/Documentation

Mathology 3
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Activity 17 Assessment
Partitioning Sets

Partitioning Quantities to Form Fractions (con't)

Understands relationship between number of parts and size of parts	Understands that, for the same whole, equivalent fractions represent the same quantity	Solves equal-grouping problems that result in fractional amounts	Flexibly solves equal-grouping problems that result in fractional amounts
"When I divide the whole into more parts, the parts get smaller.	"$\frac{2}{3}$ and $\frac{4}{6}$ represent the same amount, but $\frac{4}{6}$ has twice as many parts as $\frac{2}{3}$."	 "I cut the leftover bar into 3 equal parts. Each person got $1\frac{1}{3}$ bars."	"When the leftover bar is cut into 6 equal parts, each person gets $1\frac{2}{6}$ bars. $1\frac{1}{3}$ and $1\frac{2}{6}$ are equivalent."
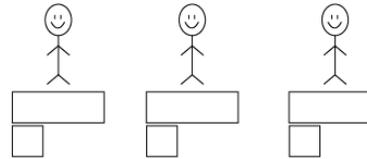
Observations/Documentation