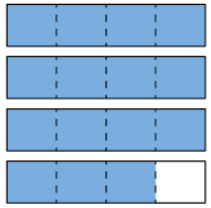
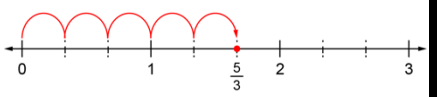
Number

Activity 10 Assessment

Exploring Improper Fractions and Mixed Numbers

Exploring Fractions and Decimals

Uses counting to determine improper fractions and mixed numbers	Models fractions using quantities, lengths, and areas	Expresses improper fractions as mixed numbers and vice versa	Compares and orders fractions, including improper fractions and mixed numbers (e.g., using benchmarks)
 "I counted 15 one-fourths. Each four-fourths is one whole, so $\frac{15}{4} = 3\frac{3}{4}$."	 "I took jumps on a number line to show $\frac{5}{3}$."	$\frac{5}{3} = 1\frac{2}{3}$ "5 = 3 + 2 So, $\frac{5}{3} = \frac{3}{3} + \frac{2}{3}$, which is the same as $1 + \frac{2}{3} = 1\frac{2}{3}$."	$\frac{11}{7}, \frac{16}{9}, \frac{13}{12}$ $\frac{11}{7} = 1\frac{4}{7}, \frac{16}{9} = 1\frac{7}{9}, \frac{13}{12} = 1\frac{1}{12}$ "All the fractions are between 1 and 2. I compared to benchmarks: $1\frac{4}{7}$ is a little more than 1 and one-half. $1\frac{7}{9}$ is pretty close to 2. $1\frac{1}{12}$ is very close to 1. So, from least to greatest: $\frac{13}{12}, 1\frac{4}{7}, 1\frac{7}{9}$."

Observations/Documentation

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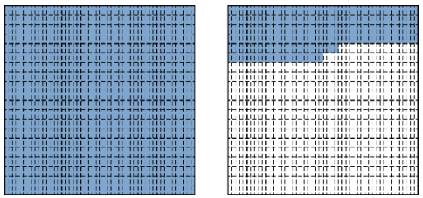
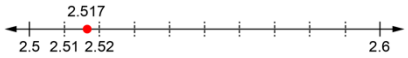
Number

Activity 10 Assessment

Exploring Improper Fractions and Mixed Numbers

Exploring Fractions and Decimals (cont'd)			
Represents decimal numbers to thousandths  "I shaded the grids to show 1.254."	Identifies a decimal between two given decimals 2.834, ?, 2.84 "Both decimals have 2 wholes. I know 2.834 has 834 thousandths and 2.84 has 840 thousandths. 836 is between 834 and 840. So, 2.836 is between 2.834 and 2.84."	Rounds decimals to a specified place value (e.g., nearest hundredth)  "2.517 is closer to 2.52 than to 2.51, so I round up to 2.52."	Flexibly compares and orders decimals 2.7, 2.649, 2.76 "I ordered the decimals from least to greatest: 2.649, 2.7, 2.76."
Observations/Documentation			