# Activity 13 Assessment
## Comparing and Ordering Decimals

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)

Uses counting to determine improper fractions and mixed numbers
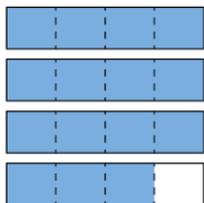
"I counted 15 one-fourths. Each four-fourths is one whole, so $\frac{15}{4} = 3\frac{3}{4}$."

Models fractions using quantities, lengths, and areas
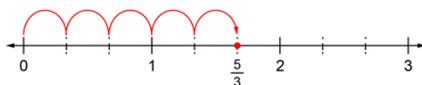
"I took jumps on a number line to show $\frac{5}{3}$"

Expresses improper fractions as mixed numbers and vice versa

$$\frac{5}{3} = 1\frac{2}{3}$$

"5 = 3 + 2

So, $\frac{5}{3} = \frac{3}{3} + \frac{2}{3}$, which is the same as $1 + \frac{2}{3} = 1\frac{2}{3}$."

Compares and orders fractions, including improper fractions and mixed numbers (e.g., using benchmarks)

$$\frac{11}{7}, \frac{16}{9}, \frac{13}{12}$$

$$\frac{11}{7} = 1\frac{4}{7}, \frac{16}{9} = 1\frac{7}{9}, \frac{13}{12} = 1\frac{1}{12}$$

"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: $\frac{13}{12}, 1\frac{4}{7}, 1\frac{7}{9}$."

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Exploring Fractions and Decimals (cont'd)

Represents decimal numbers to thousandths	Identifies a decimal between two given decimals	Rounds decimals to a specified place value (e.g., nearest hundredth)	Flexibly compares and orders decimals
"I shaded the grids to show 1.254."	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."	2.517 2.5 2.51 2.52 2.6 "2.517 is closer to 2.52 than to 2.51, so I round up to 2.52."	2.7, 2.649, 2.76 "I ordered the decimals from least to greatest: 2.649, 2.7, 2.76."
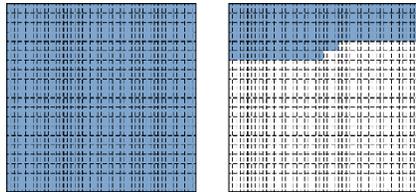
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