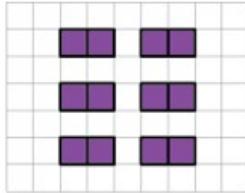


Activity 19 Assessment

Multiplication and Division with Unit Fractions

Multiplication and Division with Unit Fractions

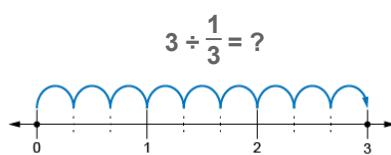
Writes an equation to represent a multiplication or division situation



"I can represent this situation using a multiplication and a division equation."

$$12 \times \frac{1}{2} = 6; 6 \div \frac{1}{2} = 12$$

Models situations involving a whole partitioned into unit fractions in many ways



"I used a number line from 0 to 3, partitioned each whole into thirds, then counted the thirds: 1 one-third, 2 one-thirds, 3 one-thirds, ..., 8 one-thirds, 9 one-thirds.

$$3 \div \frac{1}{3} = 9.$$

Symbolically multiplies and divides with unit fractions

$$7 \div \frac{1}{4} = ?$$

"There are four-fourths in 1 whole, so there will be 7×4 -fourths, or 28-fourths in 7 wholes.

$$7 \div \frac{1}{4} = 28$$

Solves multiplication and division problems flexibly, using a variety of strategies

Ha-jun hikes $\frac{1}{2}$ mile every day. How long will it be before Ha-jun has hiked 18 miles?

$$18 \div \frac{1}{2} = ?$$

"If Ha-jun hikes $\frac{1}{2}$ mile in one day, they will hike 1 mile in 2 days. So, Ha-jun will hike 18 miles in $18 \times 2 = 36$ days."

Observations/Documentation