Unit 4, Lesson 6

Division as an Unknown Factor

Let's connect division equations to multiplication equations.

Warm-up

Notice and Wonder: Unknown Numbers

What do you notice? What do you wonder?

$3 \times ? = 12$

$12 \div 3 = ?$

Activity 1

Equations about Onions

A farmer puts 14 onions into 2 bags. She puts the same number of onions in each bag.

Lin says the situation should be represented by this equation:

$$2 \times \square = 14$$



Mai says the situation should be represented by this equation:

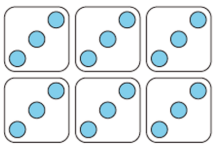
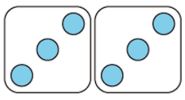
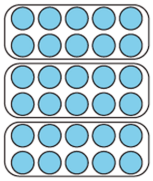
$$14 \div 2 = \square$$

Whose equation do you agree with? Be ready to explain your reasoning.

Activity 2

At the Farmers' Market

Complete each row. Be prepared to explain your reasoning.

situation	drawing or diagram	multiplication equation	division equation
Elena's family buys 18 avocados at the farmers' market. The avocados are in bags of 3 each.			$18 \div 3 = _____$
Andre sees 25 tomatoes. They are in 5 bunches. Each bunch has the same number of tomatoes.		$5 \times ? = 25$	$25 \div 5 = ?$
Lin orders 6 banana fritters. The fritters are served on 2 plates, and each plate has the same number of fritters.		$2 \times ? = 6$	
		$_____ \times 10 = 30$	$30 \div 10 = _____$