



# 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:

$$14 \div 2 = \square$$

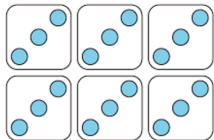
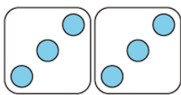
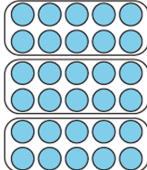


Whose equation do you agree with? Be ready to explain your reasoning.

## 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.                        |    |                                    | $18 \div 3 = \underline{\quad}$  |
| 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. |  | $2 \times ? = 6$                   |                                  |
|  |  | $\underline{\quad} \times 10 = 30$ | $30 \div 10 = \underline{\quad}$ |