## Lesson 3: Interpret Equations

* Let’s use equations to show the relationship between division and fractions.

### Warm-up: What Do You Know About $\frac{3}{2}$?

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### 3.1: Dehydrated Dancers



1. Three dancers share 2 liters of water. How much water does each dancer get? Write a division equation to represent the situation.
2. Mai said that each dancer gets $\frac{3}{2}$ of a liter of water because 3 divided into 2 equal groups is $\frac{3}{2}$. Do you agree with Mai? Show or explain your reasoning.

### 3.2: Interpret Expressions

1. Complete the table. Draw a diagram if it is helpful.

| * number of dancers
 | * liters of water
 | * division expression
 | * amount of water each dancer drank in liters
 |
| --- | --- | --- | --- |
| * 4
 | * 2
 |  | * $$
 |
|  |  | * $3÷4$
 | * $$
 |
|  |  | * $3÷5$
 | * $$
 |
| * 4
 |  |  | * $$
 |
|  | * 5
 |  | * $$
 |

1. What patterns do you notice in the table?



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