

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 | | |
| | | $3 \div 4$ | |
| | | $3 \div 5$ | |
| 4 | | | |
| | 5 | | |

2. What patterns do you notice in the table?