



# Divide Unit Fractions by Whole Numbers

Let's divide a unit fraction by a whole number.

## Warm-up

### Number Talk: Half the Dividend, Same Divisor

Find the value of each expression mentally.

- $72 \div 4$

- $36 \div 4$

- $4 \div 4$

- $2 \div 4$

## Activity 1

### More Macaroni and Cheese

Jada and her 2 sisters equally share  $\frac{1}{2}$  a pan of macaroni and cheese.

1. Draw a diagram to represent the situation.

2. Explain how this expression represents the situation:  $\frac{1}{2} \div 3$

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3. How much of the whole pan of macaroni and cheese does each person get?

## Activity 2

### More People Share

1. 4 people equally share  $\frac{1}{2}$  a pan of macaroni and cheese.

a. Draw a diagram to represent the situation.

b. Explain how your diagram represents  $\frac{1}{2} \div 4$ .

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c. How much of the whole pan of macaroni and cheese does each person get?

2. 5 people equally share  $\frac{1}{2}$  a pan of macaroni and cheese.

a. Draw a diagram to represent the situation.

b. Explain how your diagram represents  $\frac{1}{2} \div 5$ .

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c. How much of the whole pan of macaroni and cheese does each person get?

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3. How are the problems alike? How are they different?

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