

# Fractions: What Are They?



# What are Fractions?

- Fractions are **pieces** of whole numbers.
  - Whole numbers are numbers: 0, 1, 2, 3, and so on.

# Creating Fractions

## Parts of a Fraction

- A fraction has two parts.

$$\frac{1}{2}$$

# Creating Fractions

## Parts of a Fraction

- A fraction has two parts.
- The top number is the **numerator**.
  - The numerator is the number of parts being counted
- The bottom number is the **denominator**.
  - The denominator is the number of parts the whole has been divided into

$\frac{1}{2}$

# Creating Fractions

## Parts of a Fraction

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→ 1

→ 2

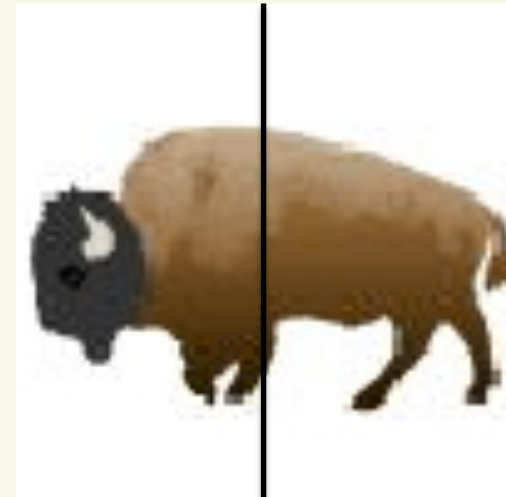
# Example 1

- For example, Long Foot and Oldest Brother split one whole buffalo



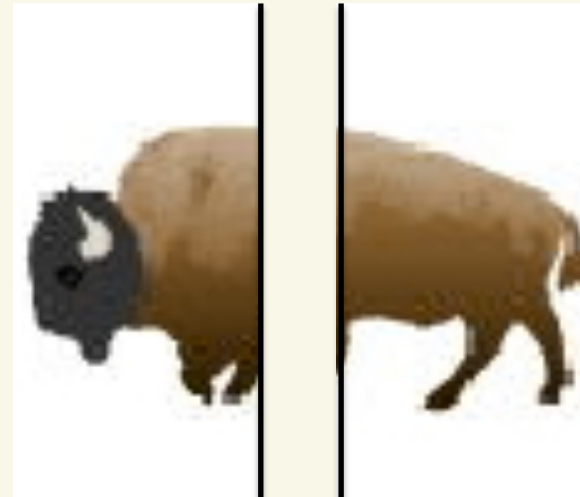
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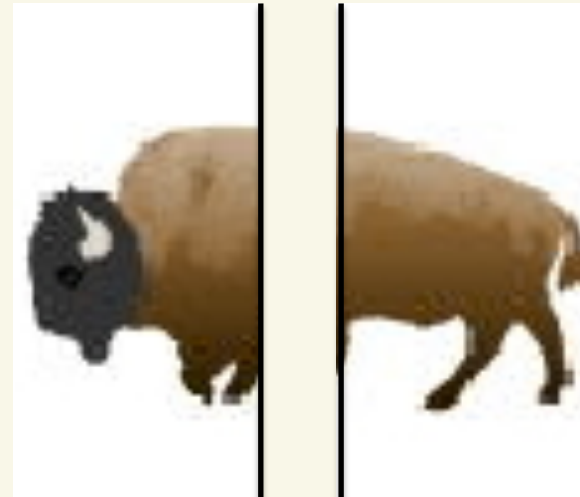
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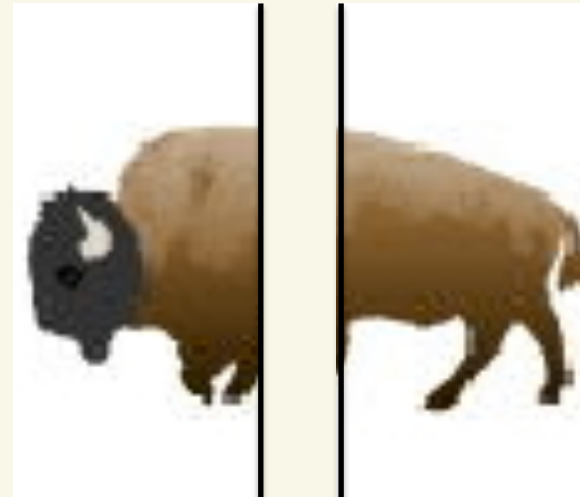
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# Example 1

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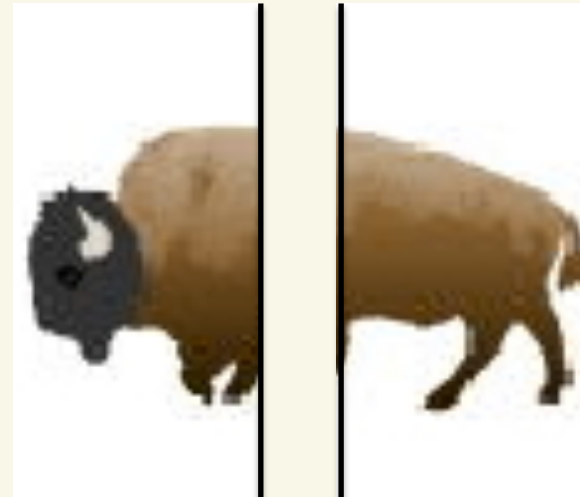
**Two parts**



# Example 1

- How many parts of the whole have been divided?

**Two parts**



# Identify Fractions

**How many parts of buffalo does Long Foot receive?**

**Two Parts**

- Long Foot receives one part.

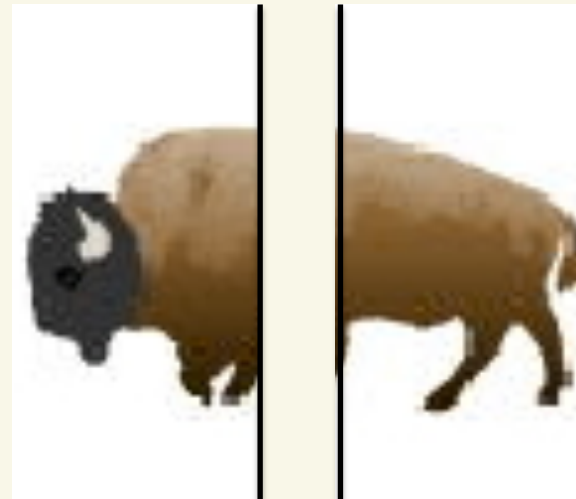


# Identify Fractions

**How many parts of buffalo does Long Foot receive?**

- Long Foot receives one part.
- How would you show this in a fraction?

**Two Parts**



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## **Fractions**

What is the numerator and denominator?

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$$\frac{?}{?}$$

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## Fractions

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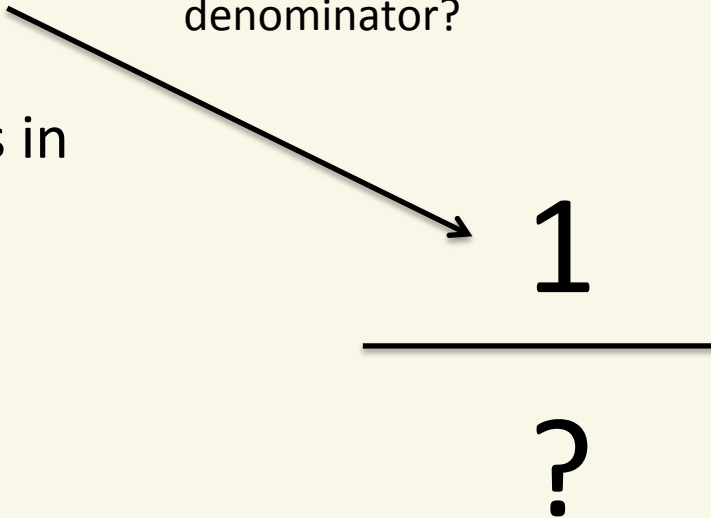
# Identify Fractions

How many parts of buffalo does Long Foot receive?

- Long Foot receives **one part**.
- How would you show this in a fraction?

## Fractions

What is the numerator and denominator?


$$\frac{1}{?}$$

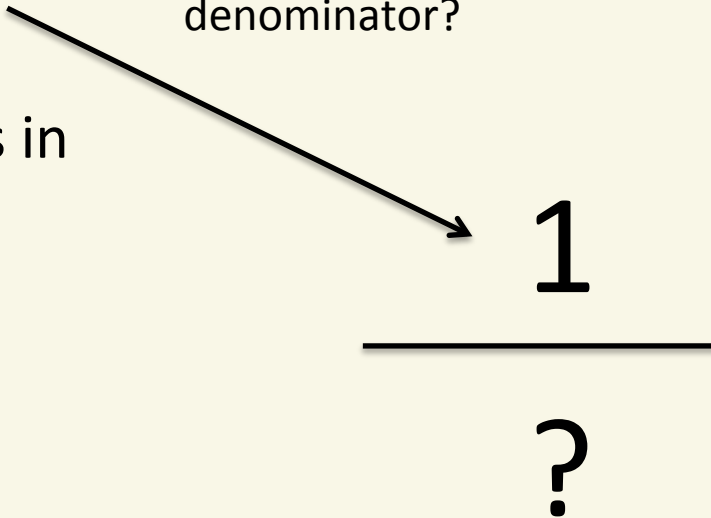
# Identify Fractions

How many parts of buffalo does Long Foot receive?

- Long Foot receives **one part**.
- How would you show this in a fraction?
- The numerator is 1.

## Fractions

What is the numerator and denominator?


$$\frac{1}{?}$$

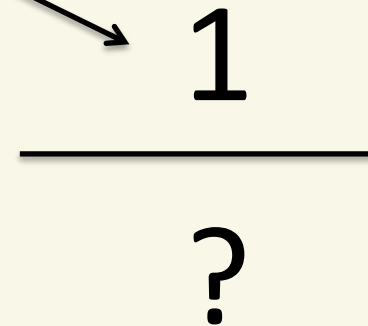
# Identify Fractions

How many parts of buffalo does Long Foot receive?

- Long Foot receives **one part**.
- How would you show this in a fraction?
- How many parts has the whole been divided into?

## Fractions

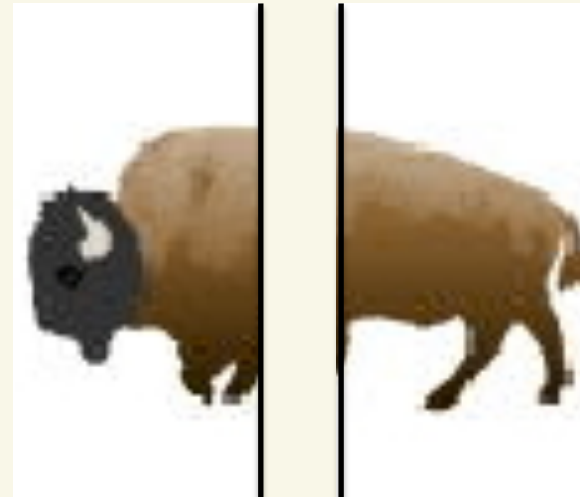
What is the numerator and denominator?


$$\frac{1}{?}$$

# Remember

- How many parts of the whole have been created?

**Two parts**



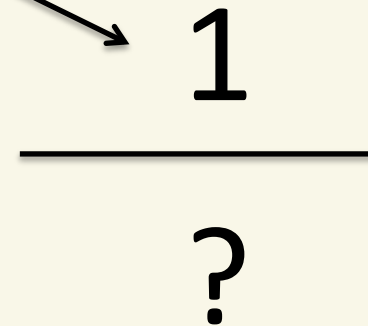
# Identify Fractions

How many parts of buffalo does Long Foot receive?

- Long Foot receives **one part**.
- How would you show this in a fraction?
- How many parts has the whole been divided into?
  - **Two parts** from the whole buffalo.

## Fractions

What is the numerator and denominator?



A fraction bar is shown with the number 1 above the horizontal line and a question mark below it. An arrow points from the word "one" in the first bullet point of the list to the numerator 1.

$$\frac{1}{?}$$

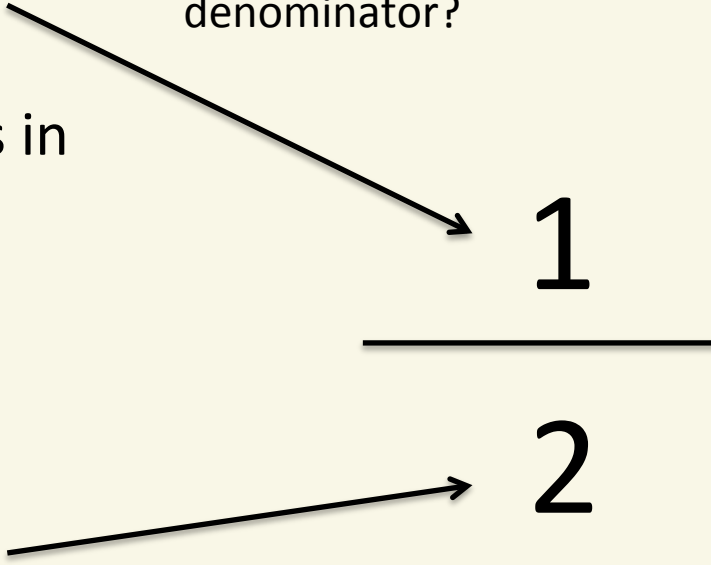
# Identify Fractions

How many parts of buffalo does Long Foot receive?

- Long Foot receives **one part**.
- How would you show this in a fraction?
- How many parts has the whole been divided into?
  - **Two parts** from the whole buffalo.

## Fractions

What is the numerator and denominator?


$$\frac{1}{2}$$

# Identify Fractions

How many parts of buffalo does Long Foot receive?

- Long Foot receives **one part**.
- How would you show this in a fraction?
- How many parts has the whole been divided into?
  - **Two parts** from the whole buffalo.
  - The denominator is 2.

## Fractions

What is the numerator and denominator?



1

2

# Identify Fractions

**How many parts of buffalo does Long Foot receive?**

**Two Parts**

- Long Foot receives one part.
- Another way of saying this is Long Foot receives one-half of the buffalo.
- One-half =  $\frac{1}{2}$





# Identify Fractions

**How many parts of buffalo does Long Foot receive?**

- Another way of saying how much buffalo Long Foot receives is “Long Foot received  $\frac{1}{2}$  of the buffalo.”

**Two Parts**



Long Foot's  
Portion

Oldest Brother's  
Portion