

# Read About Partitioning Shapes Into Equal Shares

## WHAT ARE EQUAL SHARES?

You can partition shapes into equal shares. Shares are equal when they are the same size.

*To better understand partitioning shapes into equal shares...*

## LET'S BREAK IT DOWN!

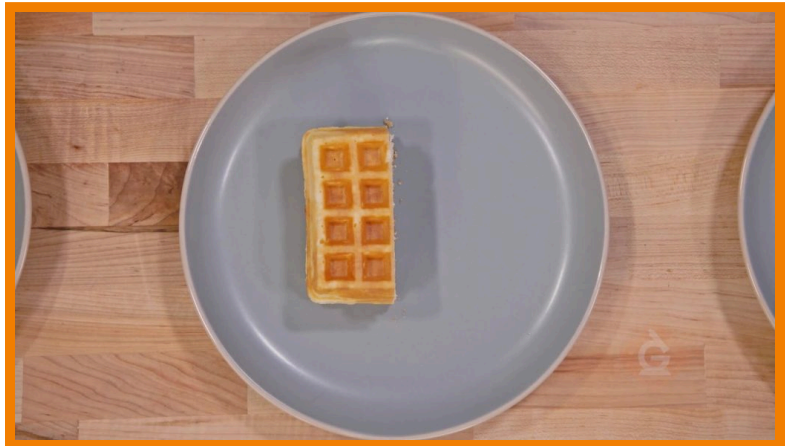
### Make 2 equal shares of a circle.

You have a pancake. It's in the shape of a circle. You can share your pancake fairly by cutting it into equal shares. You cut a line straight down the middle. There are 2 pieces. The equal parts are called halves. 2 halves make 1 whole.



## Stack parts to check for equal shares.

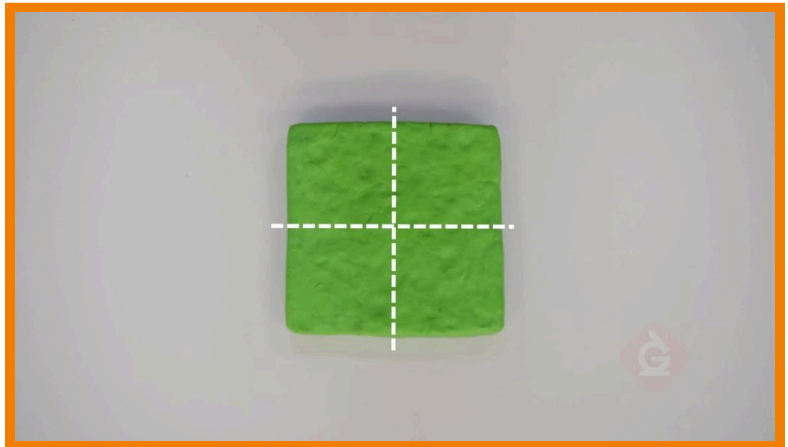
You cut a pancake into 2 parts. How can you tell if your pieces are equal shares? Stack one piece on top of the other. They are exactly the same. The 2 pieces are equal shares.



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## Make 4 equal shares of a rectangle.

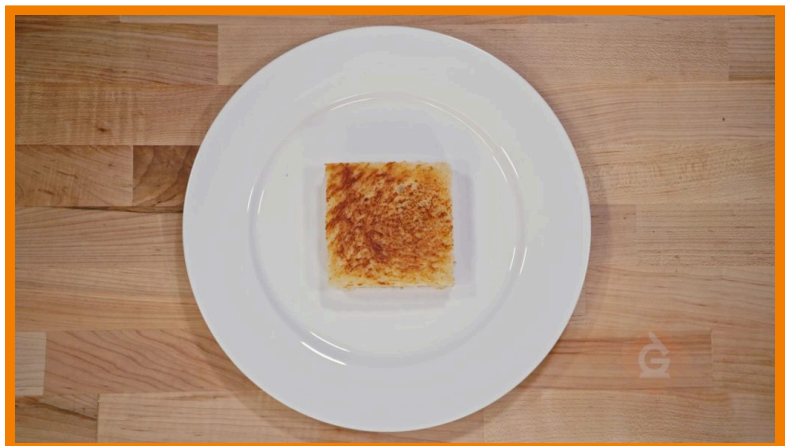
You have a waffle. It's in the shape of a rectangle. You can share your waffle fairly by cutting it into equal shares. You cut your rectangle into 4 equal parts. 4 equal parts are called fourths. 4 fourths make 1 whole.



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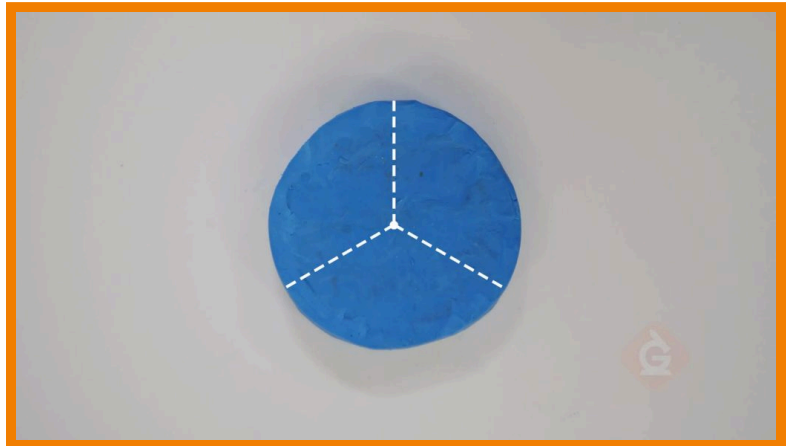
## Find if the shares are equal.

You have a sandwich. It's in the shape of a square. You cut your sandwich into 4 parts. Some parts are larger than others. The parts are not equal shares. The parts are not fourths.



## Make 3 equal parts of a circle.

You have a quesadilla. It is in the shape of a circle. You can use a string to help you make 3 equal parts. 3 equal parts are called thirds. 3 thirds make 1 whole.



### **PARTITION SHAPES INTO EQUAL SHARES VOCABULARY**

#### **Equal parts**

Parts of a whole that are the same size.

#### **Half**

One of two equal parts of a whole.

#### **Whole**

One entire shape or object.

#### **Fourth**

One of four equal parts of a whole.

#### **Third**

One of three equal parts of a whole.

#### **Circle**

A round shape with no sides or corners.

### **PARTITION SHAPES INTO EQUAL SHARES DISCUSSION QUESTIONS**

#### **How do you split a shape into halves? How many halves make a whole?**

You split it into two equal parts. Two halves make a whole.

#### **How do you split a shape into fourths? How many fourths make a whole?**

You split it into four equal parts. Four fourths make a whole.

**Imagine you split a shape into three equal parts. What are the parts called?**

The parts are called thirds.

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**Is there more than one way to split a square in half? Explain.**

Yes. For example, you could split it in half from top to bottom or from side to side.

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**Imagine you split a rectangle into four parts that are all different sizes. Are the parts fourths?**

No. The parts are only fourths when they are the same size.

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