A **Find $\frac{1}{4}$ of a Shape**
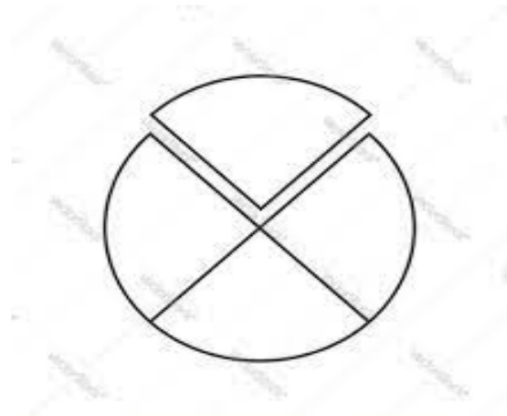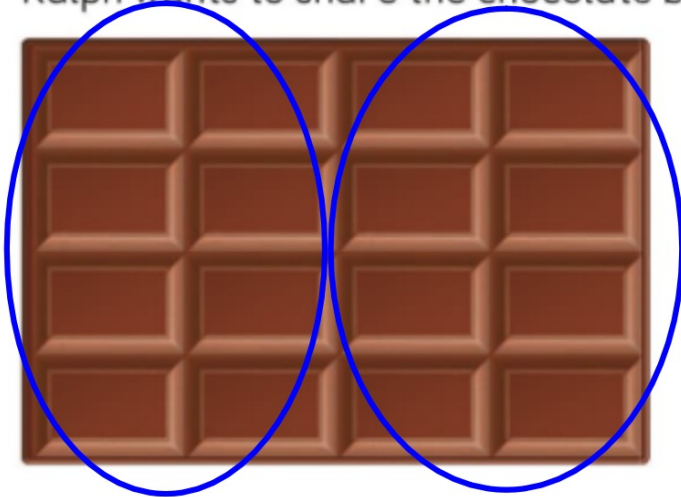
Fraction

What You Will Learn:

* Split shapes into four parts.

Look Back

Ralph wants to share the chocolate bar below equally with Ron.

each part is half $\frac{1}{2}$ of the chocolate bar

How can they share it equally?

If 2 people are sharing it we split the chocolate bar into 2 equal parts.

Thinking Cap

Caz and Izzy join Ralph and Ron.
How can you divide the chocolate bar above
into four equal parts?

•How many children are sharing the chocolate bar now? 4

•How can the chocolate bar be divided into four parts?
 we can draw a vertical line first then a horizontal line to split the chocolate bar into 4 pieces
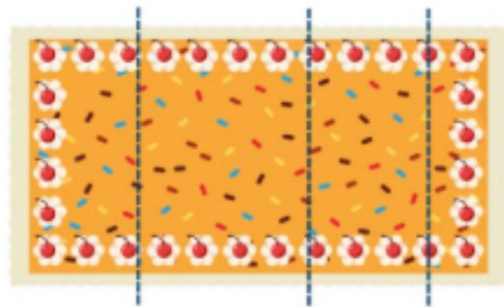
Let's Learn

a Eddy cuts a whole cake into ___4___ **equal** parts.

Each part is called a **quarter**.

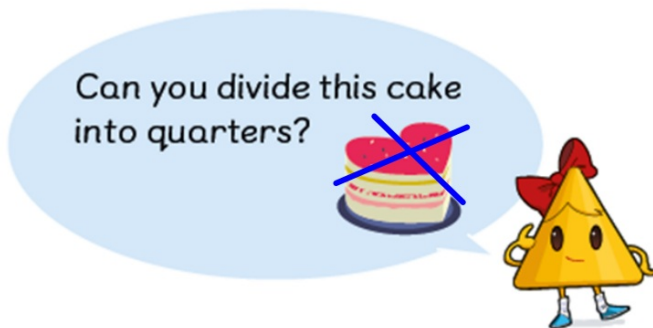You can write a quarter as $\frac{1}{4}$.

Eddy cuts another cake into four **unequal** parts.

Each part does not have the same shape and size.

> When the parts are unequal, each part is not a quarter.

Fractions are <u>equal</u> parts of a <u>whole</u>
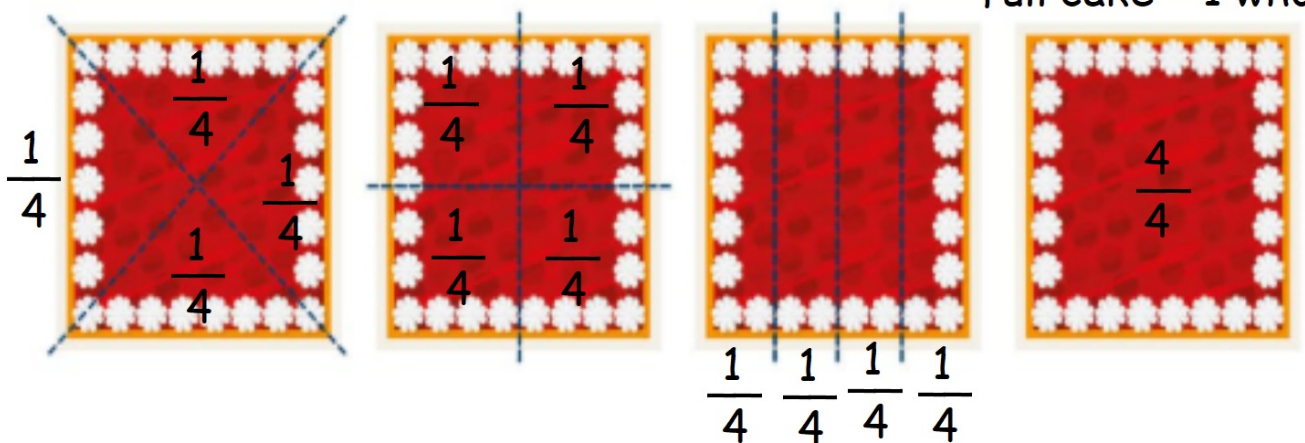
No.

Because we will not get 4 equal parts

b Eddy has another four cakes.

He cuts each cake into quarters in different ways.

Draw lines to show how he can cut the last cake.

full cake = 1 whole

$\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$

$\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$

$\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$

$\frac{4}{4}$

each cake is cut into 4 equal parts

Let's Practise

I Which shapes are split into unequal parts?
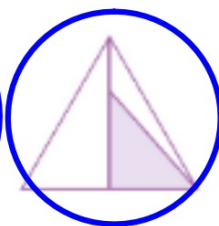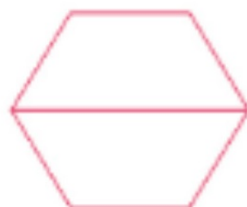Circle them.

Let's Practise
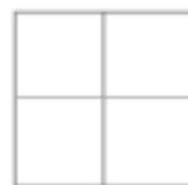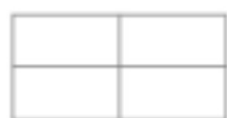
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Circle them.

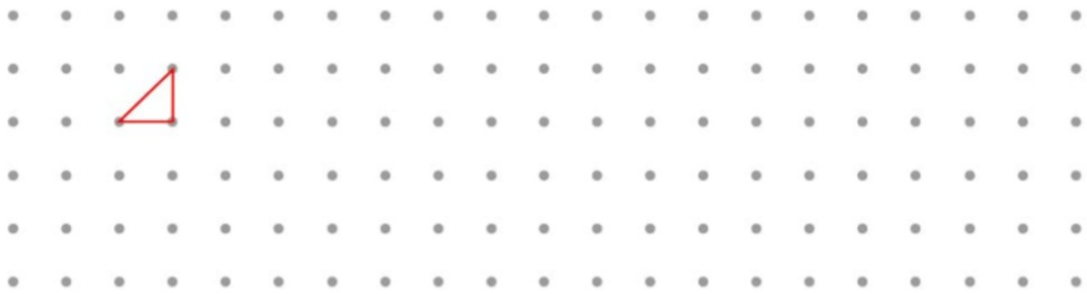**2** Draw one line in each shape to divide it into quarters.

What does each new part represent?

2.

3 Kim draws a quarter of a shape on dot paper.
Show five different ways she can complete the whole shape.

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