



Shirley Du

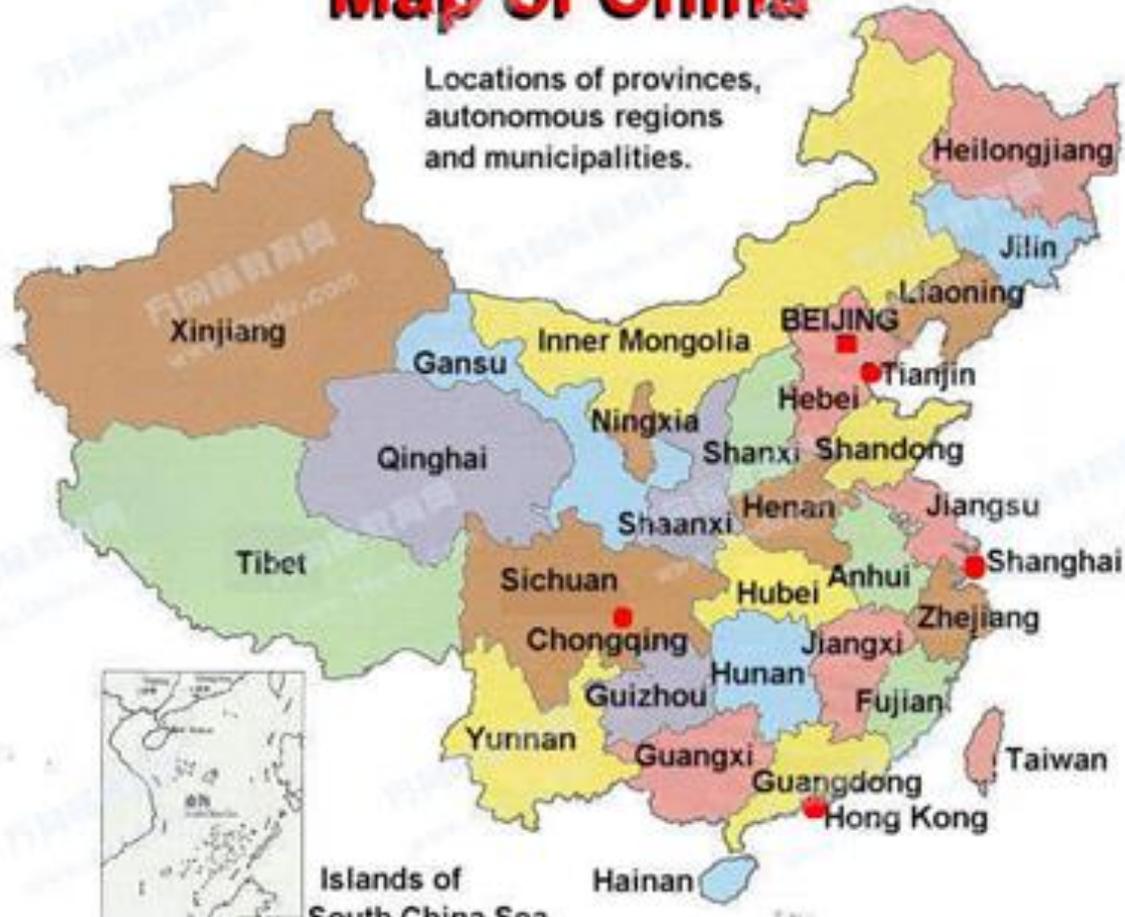
Shanghai Primary School attached to Shanghai Teachers' Professional College -----16th Jan. 2018



Whole and Part

Map of China

Locations of provinces,
autonomous regions
and municipalities.

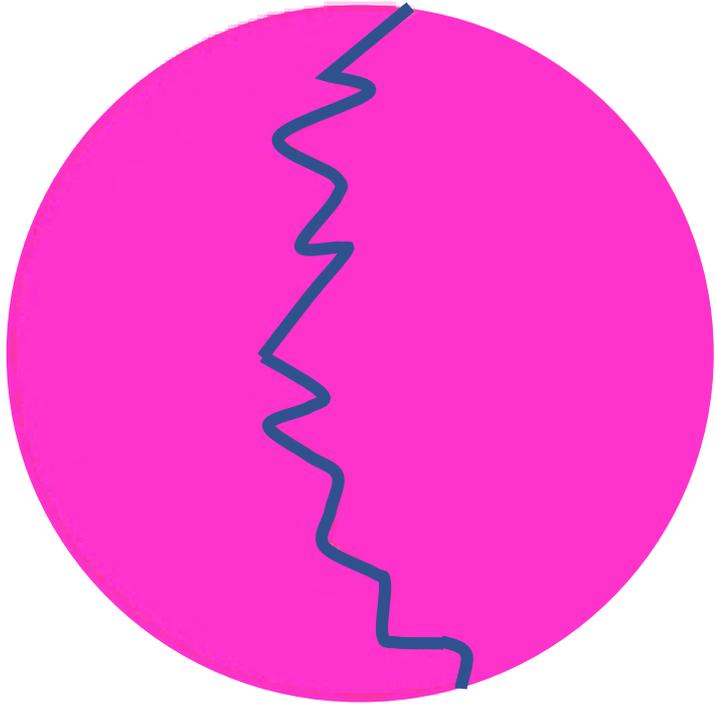


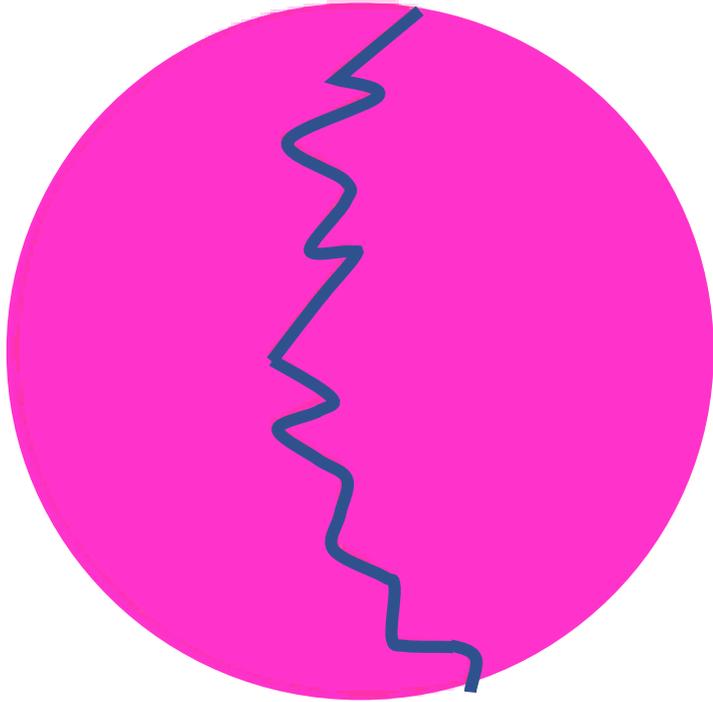
If China is the **whole**,

then, Shanghai is the **part** of China.

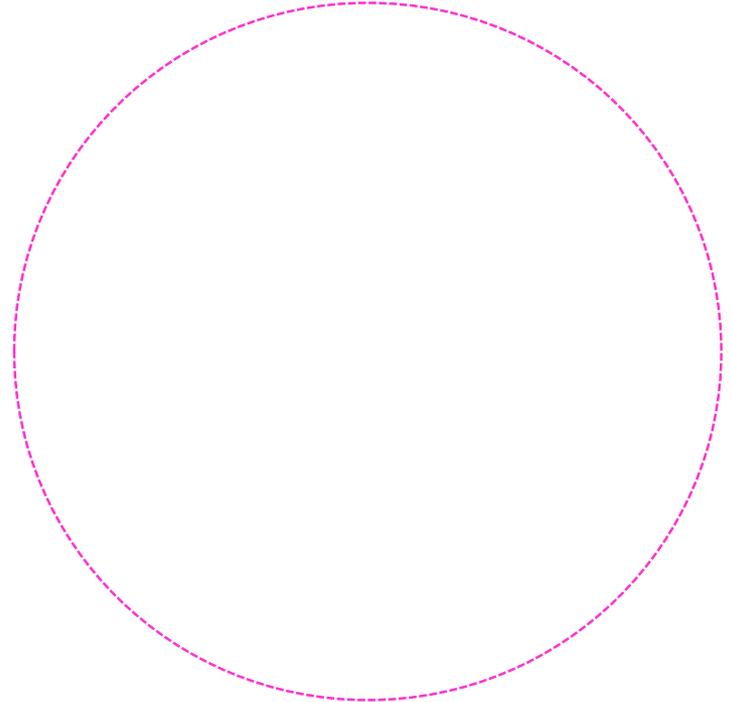
If Europe is the
whole,
Then, ... is the
part of Europe.







Whole



One part of the whole

Look and say :

Take...as a whole,

...is a part of...





Think and Say :



The yellow ribbon is the part of ... ?



Take  as a whole, and the part of it is...?

If we use fraction to express the relationship of whole and part, we should recognize what the whole is and what the part is

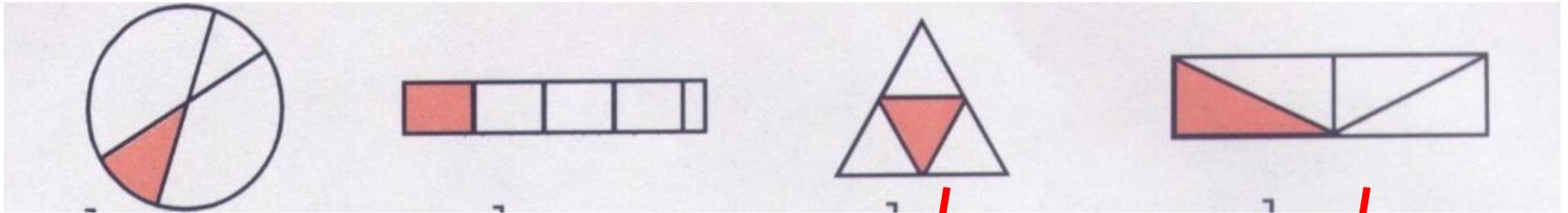


Unit fraction



Unit fraction

Divided equally or not

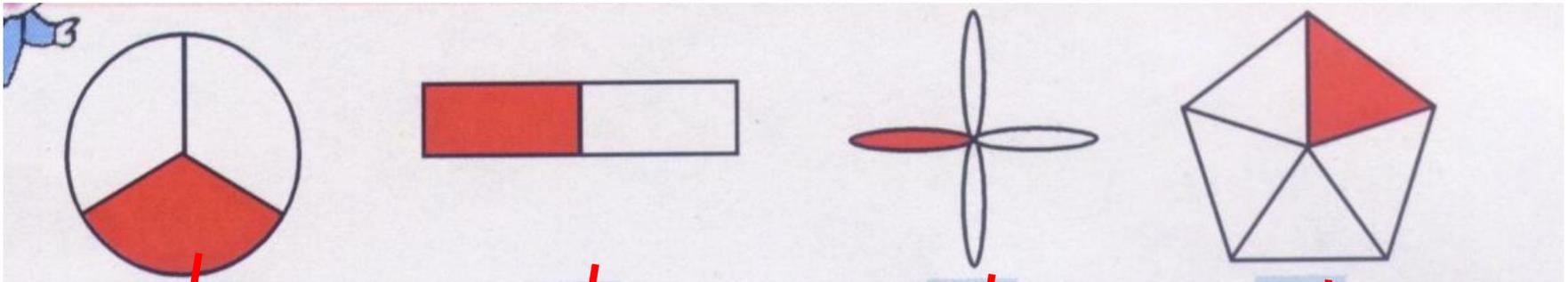


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✓

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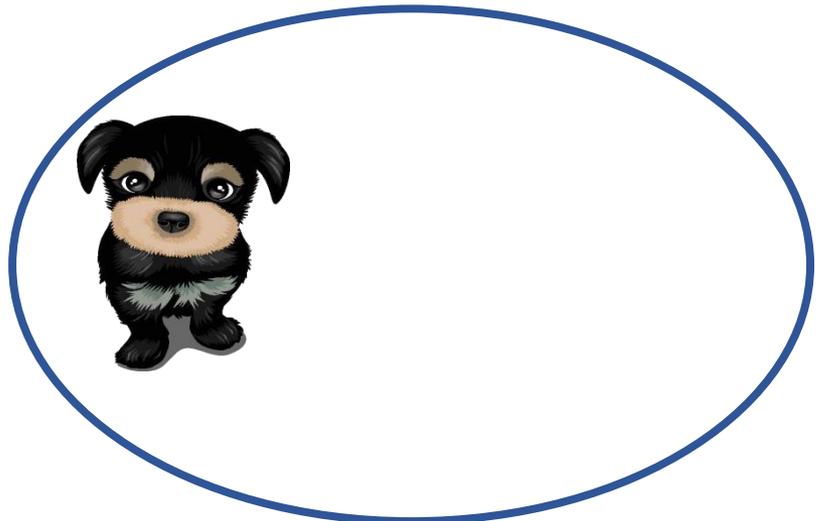
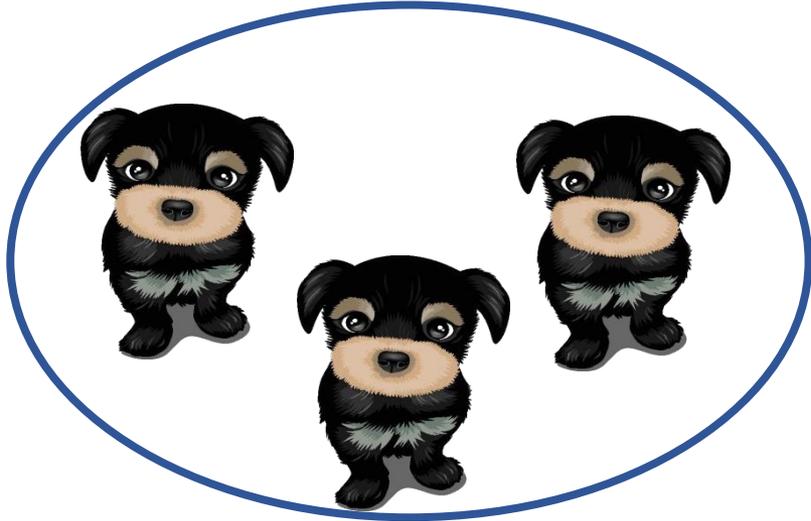
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Unit fraction

Divided equally or not





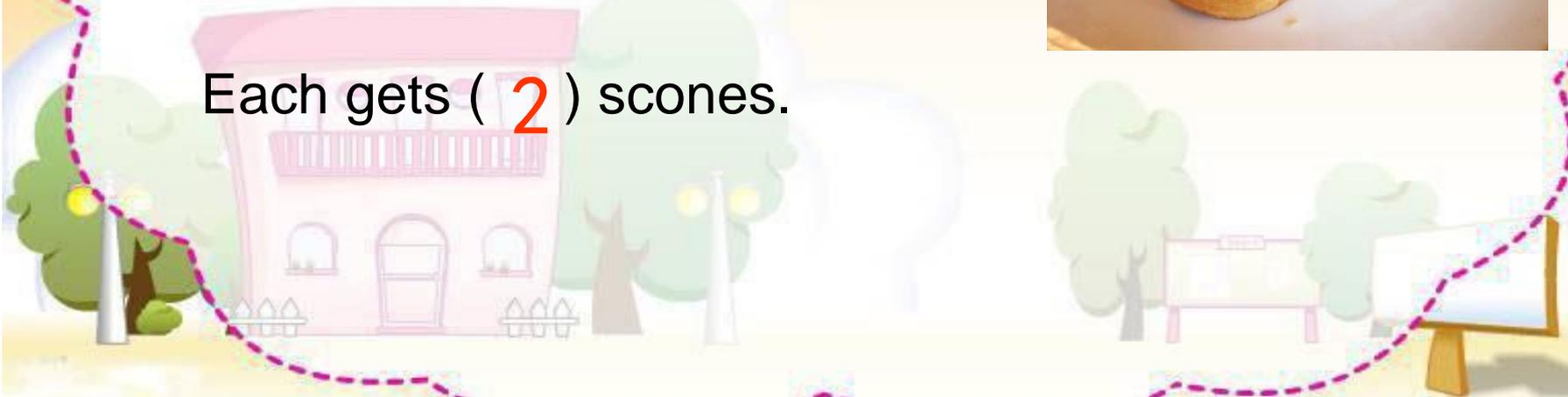
Unit fraction

One day Jasmine and I got 4 scones.
Jasmine said: "I want to share them
with you, so I get 3 scones"

Is it right?

Can you divided equally?

Each gets (2) scones.





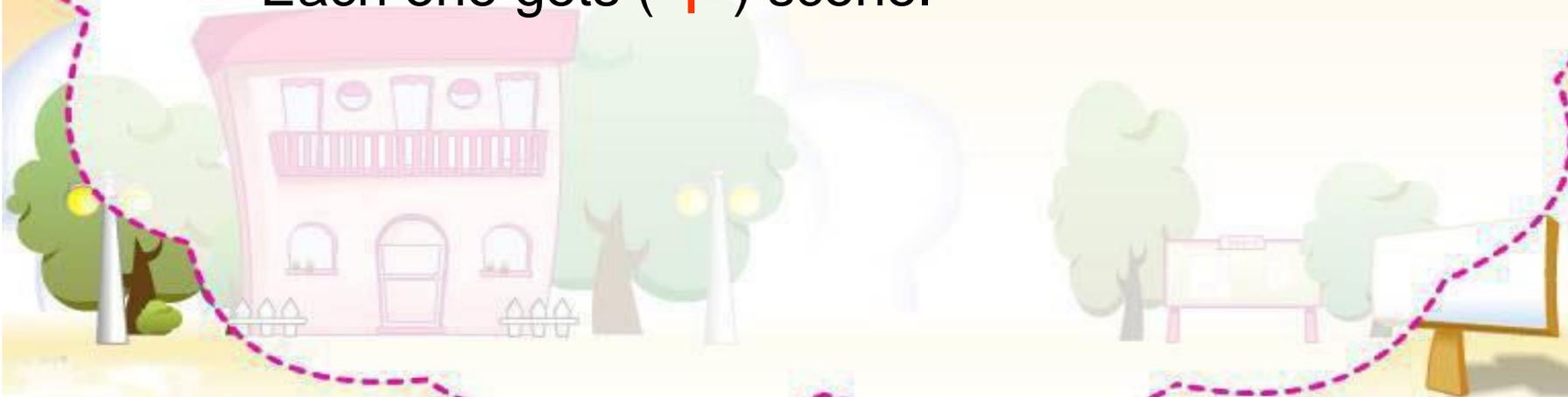
Unit fraction

The second day Jasmine and I have got 2 scones.



Can you divided equally?

Each one gets (1) scone.





Unit fraction

The third day Jasmine and I got 1 scone.

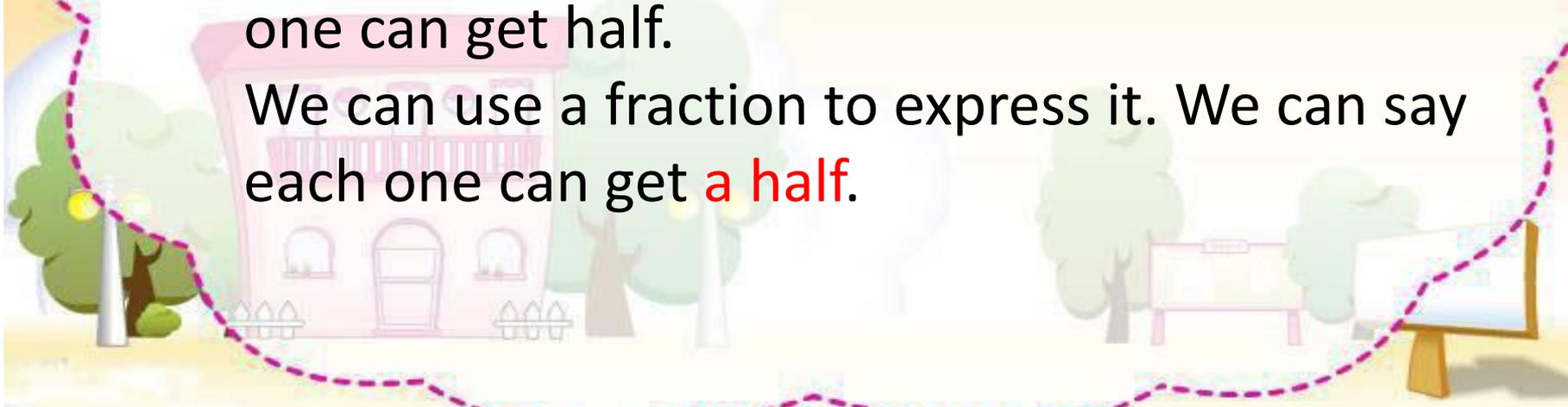


Can you divided equally?

We each get (**half**) scone.

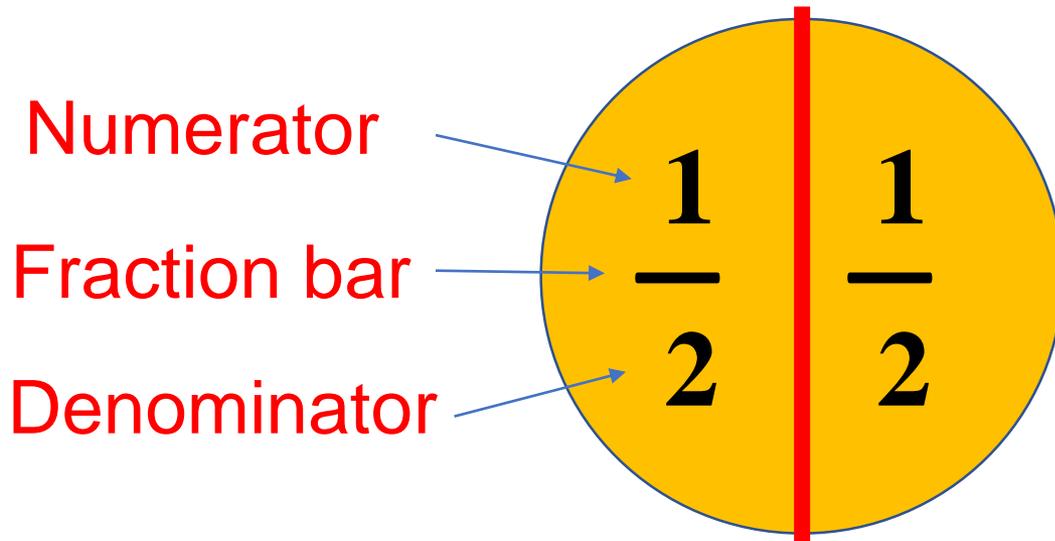
One scone is divided into **2 equal** parts, each one can get half.

We can use a fraction to express it. We can say each one can get **a half**.





Unit fraction



Divide something equally

The cake is divided into **2** equal parts.

One part of the cake.

How to write fractions:

1st Fraction bar

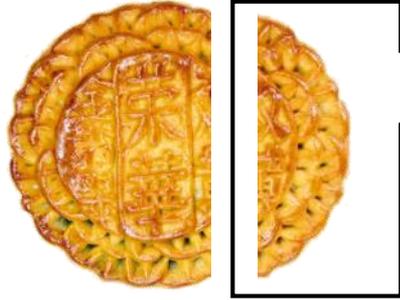
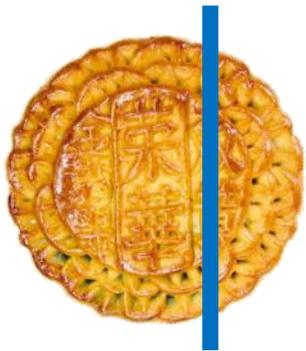
2nd Denominator

3rd Numerator



Unit fraction

Ture or False



$\frac{1}{2}$ Is it right?





Unit fraction

The shaded part is $\frac{1}{2}$ of the picture. True or false



(×)



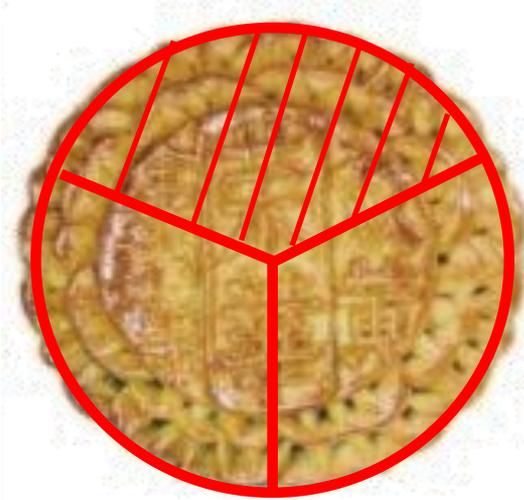
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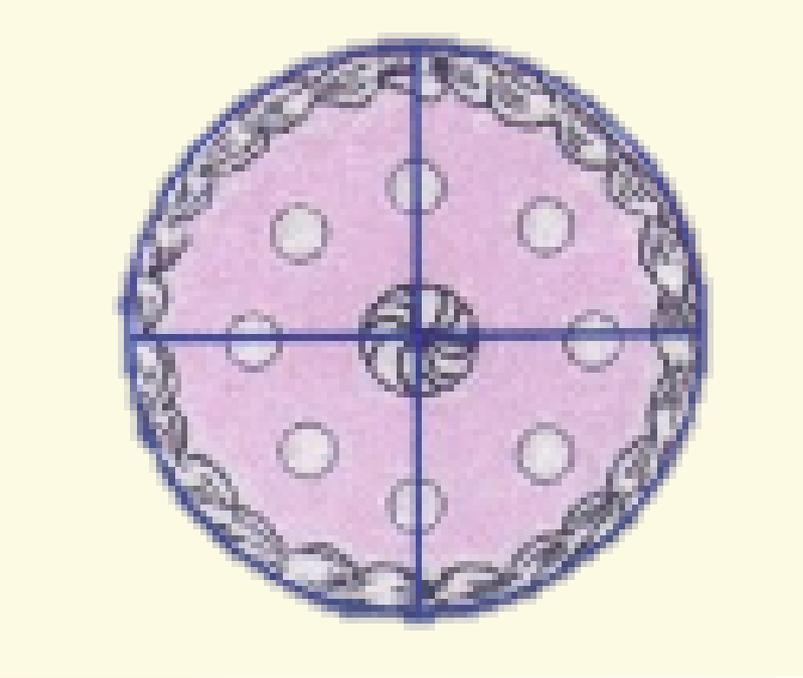


Unit fraction



We divide 1 cake into (3) equal parts,

each part is $\frac{(1)}{(3)}$ of the cake ,



These pupils like to eat this cake. Can we divide this cake like the girl did?

How can you do ?

Divided into 4 equal parts

The cake is divided into 4 equal parts, one part of the

cake is one fourth. one part is $\frac{1}{4}$ of the cake.



Unit fraction

1) Folding and colouring the $\frac{1}{4}$ of your circles.

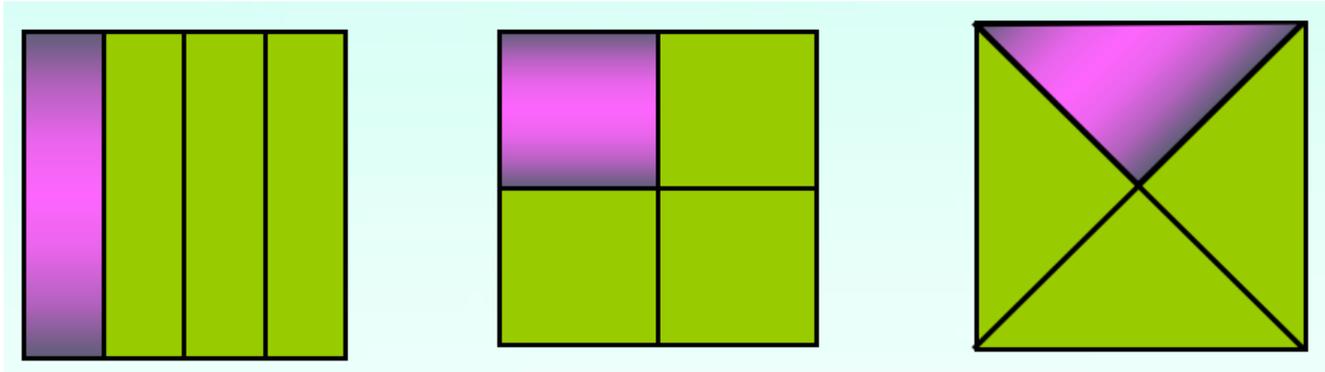
2) Folding and colouring the $\frac{1}{4}$ of your squares.

**No matter what the shapes look like,
as long as the shape is divided into 4 equal parts, one part is $\frac{1}{4}$ of the whole.**

Hand-on

folding and colouring the $\frac{1}{4}$ of your squares.

What did you find?



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

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

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

The whole is the same, the fraction which the numerator is 1 is the same.

$$\frac{1}{5}$$

The whole is divided into 5 equal parts,
and one part is $\frac{1}{5}$ of the whole.

$$\frac{1}{6}$$

The whole is divided into 6 equal parts,
and one part is $\frac{1}{6}$ of the whole.

$$\frac{1}{7}$$

The whole is divided into 7 equal parts,
and one part is $\frac{1}{7}$ of the whole.

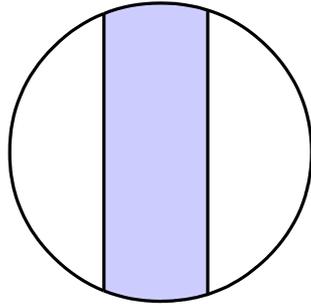
Summarize: as long as the whole one is divided equally, one part is $\frac{1}{5}$, $\frac{1}{6}$, $\frac{1}{7}$ of the whole one. we call $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$ as

fraction. The fraction which the numerator is 1, we called them unit fraction.



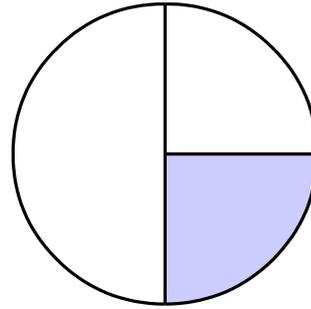
Unit fraction

The following coloring parts is a fraction of the whole, True or False?



$$\frac{1}{3}$$

(**X**)



$$\frac{1}{3}$$

(**X**)



Unit fraction

Look and think.

challenge

