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**Whole and Part**



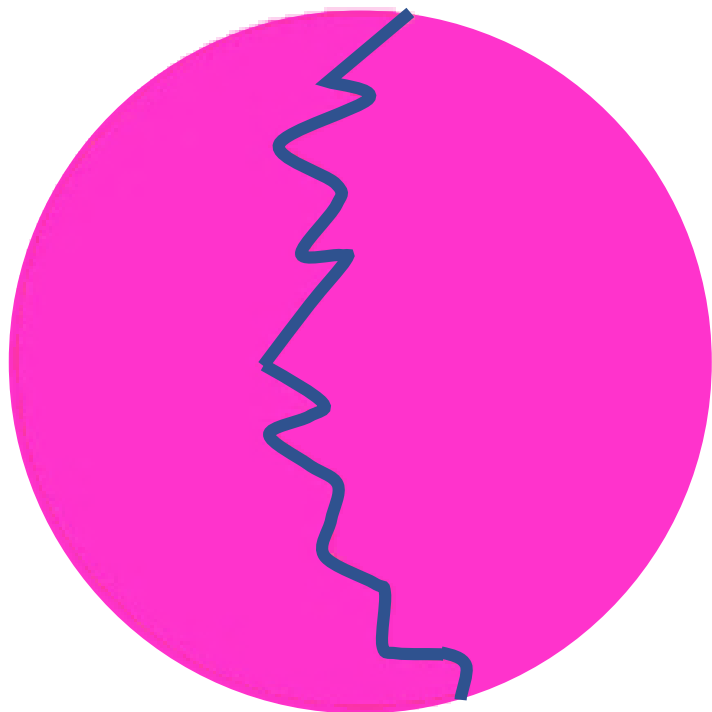


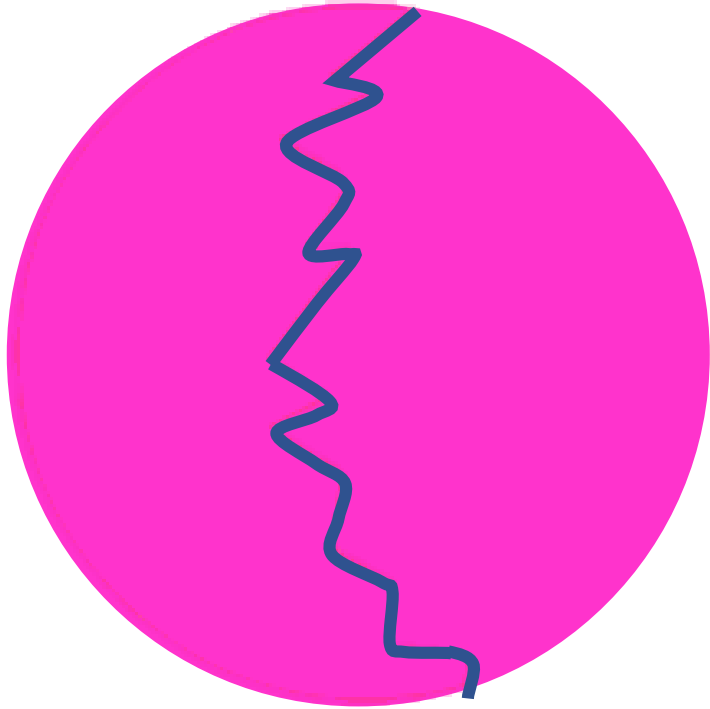
If China is the **whole**,

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

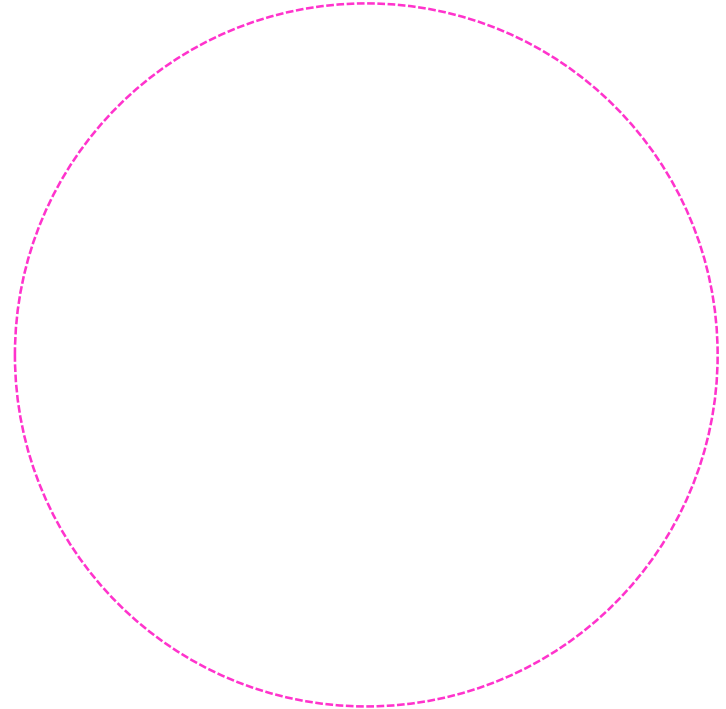
If Europe is the  
**whole**,  
Then, ... is the  
**part** of Europe.







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

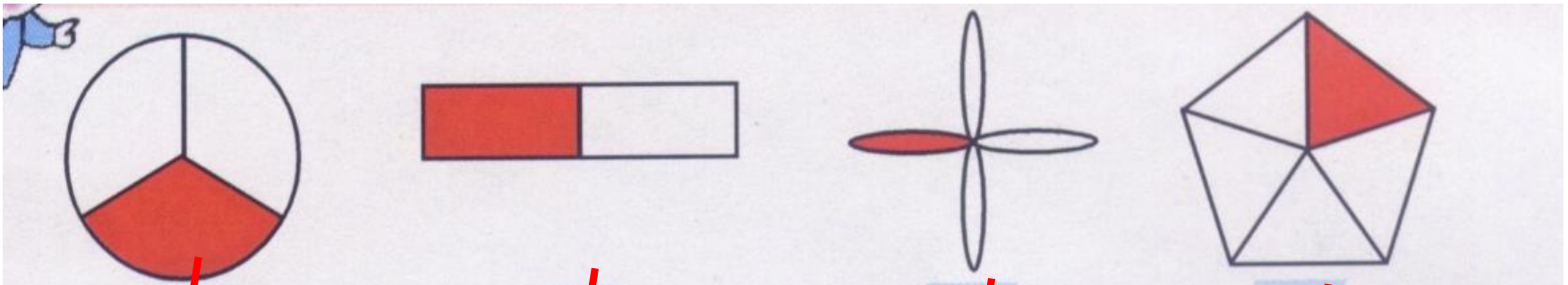


×

×

✓

✓



✓

✓

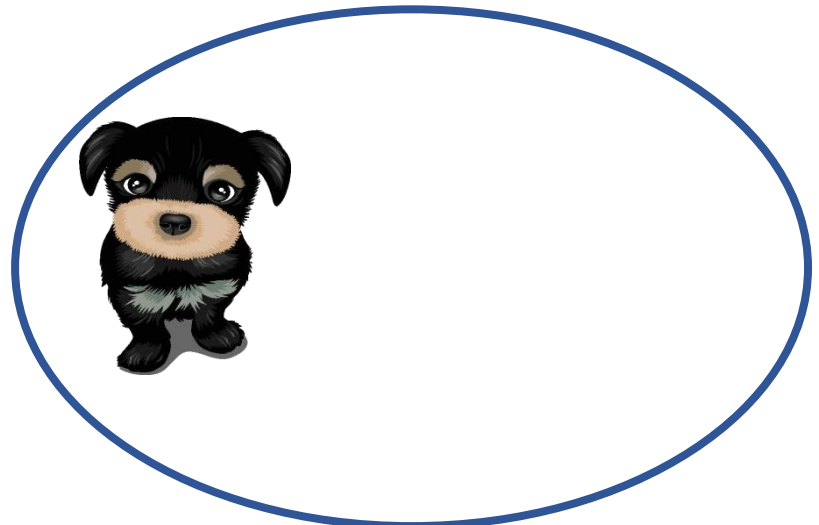
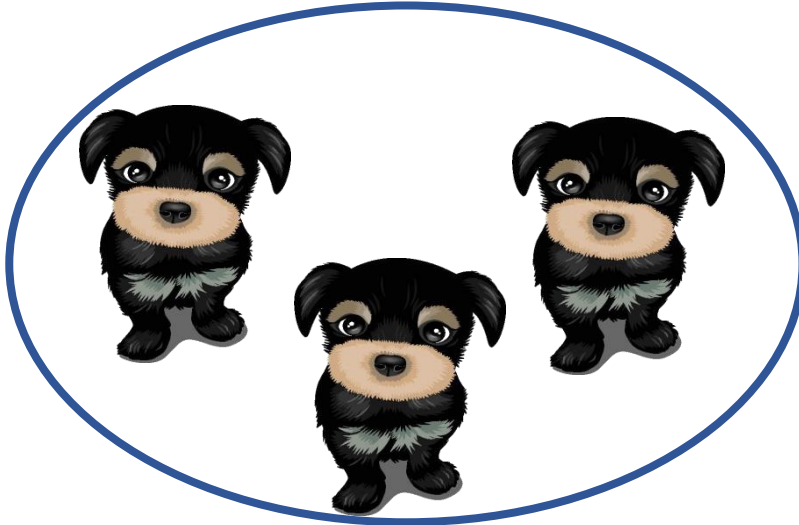
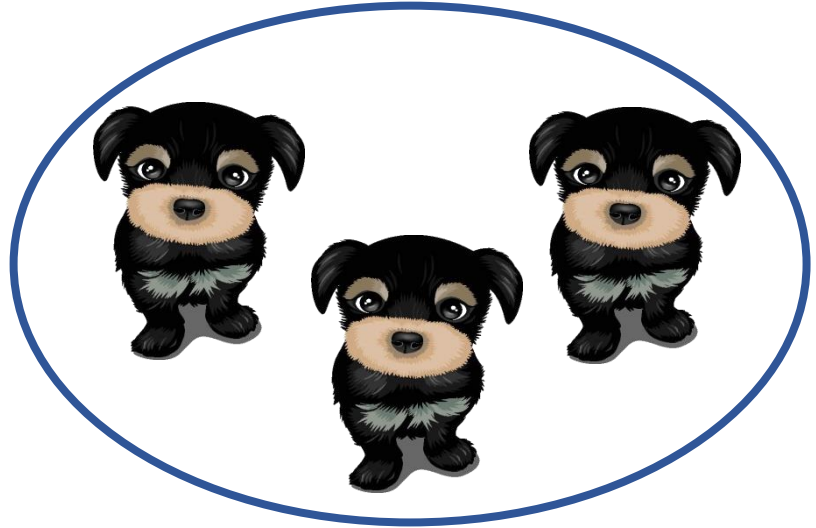
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Unit fraction

Divided equally or not





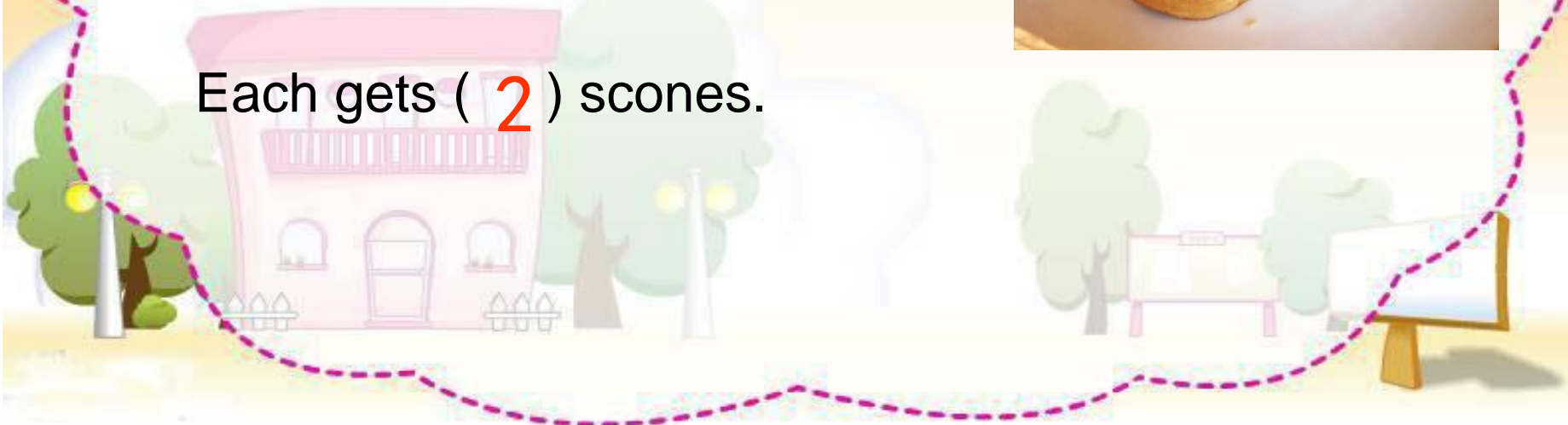
# Unit fraction

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.

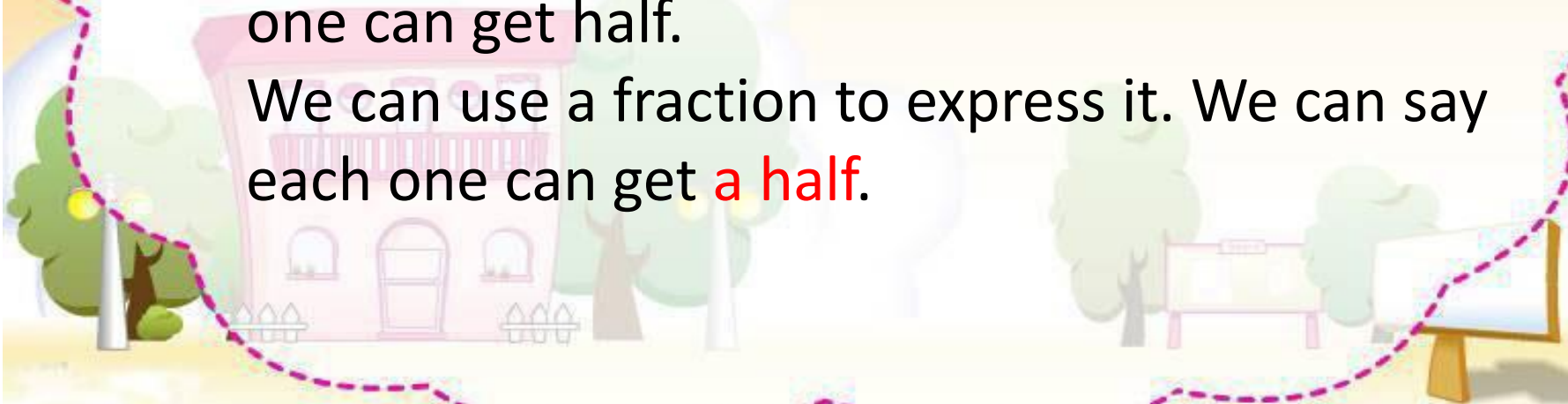


Can you divided equally?

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

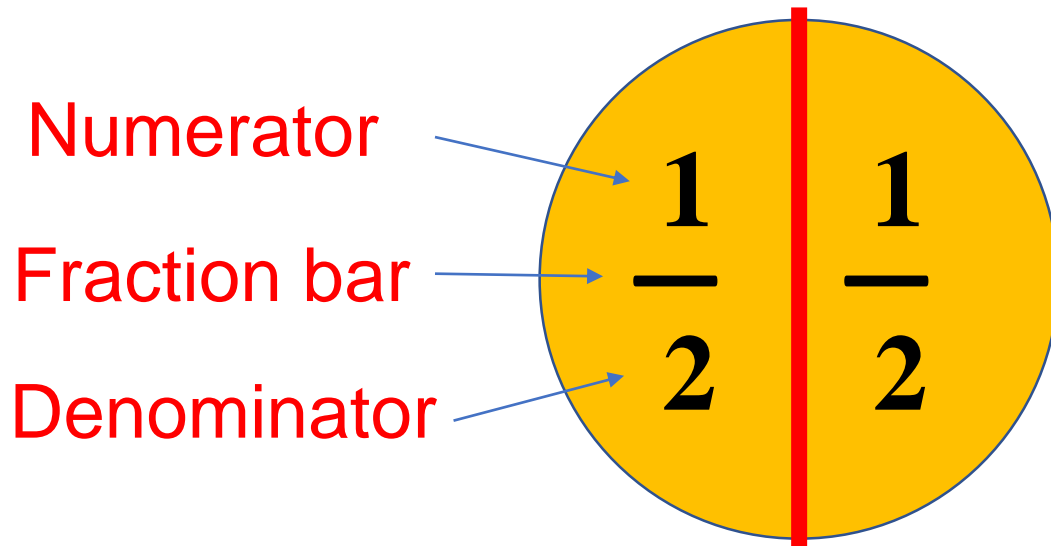
One scone is divided into **2 equal** parts, each one can get half.

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:

**1<sup>st</sup>**

Fraction bar

**2<sup>nd</sup>**

Denominator

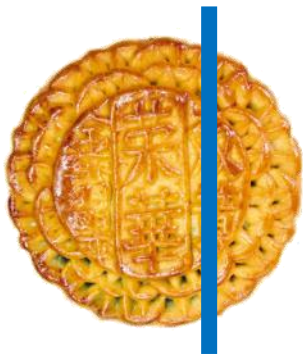
**3<sup>rd</sup>**

Numerator



# Unit fraction

**Ture or False**



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

Is it right?



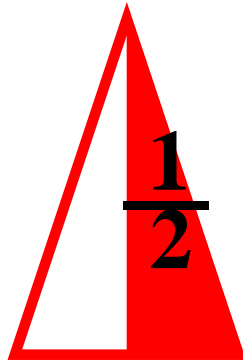


# Unit fraction

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



( × )



( √ )



( × )



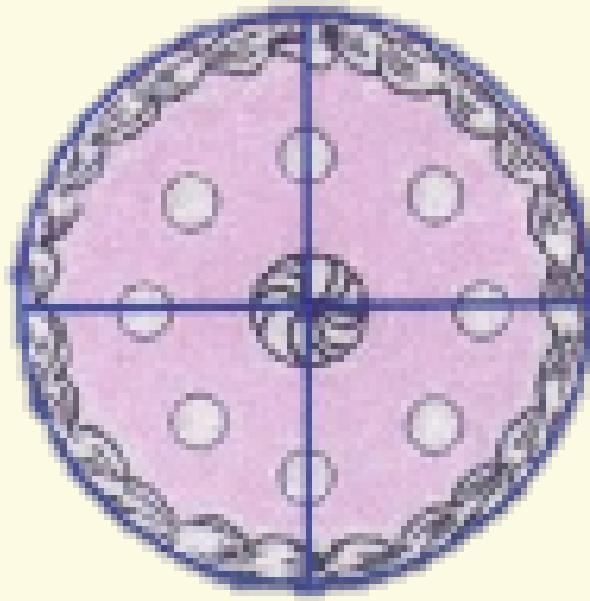
# Unit fraction



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.

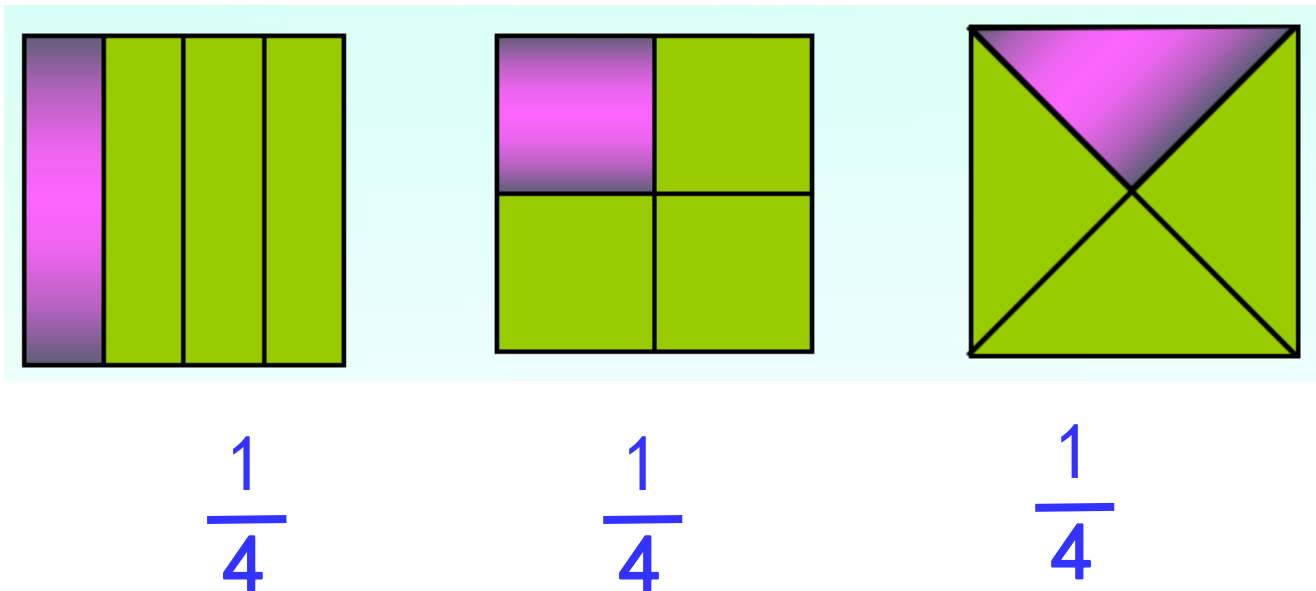
2) Folding and colouring the  $\frac{1}{4}$  of your squares.

**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?



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.

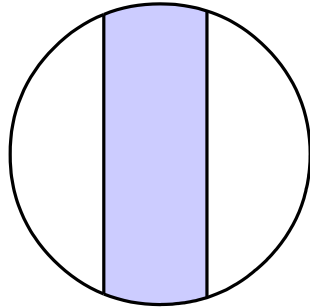
Summarize: as long as the whole one is divided equally, one part is  $\frac{1}{5}$ ,  $\frac{1}{6}$ ,  $\frac{1}{7}$  of the whole one. we call  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{8}$  .....as

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



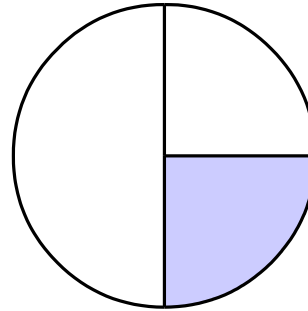
# Unit fraction

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*

