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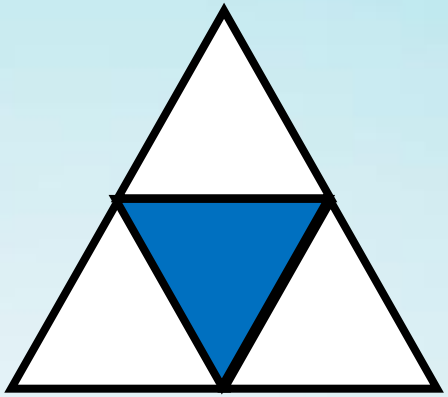
Shanghai Primary School attached to Shanghai Teachers' Professional College -----18th Jan. 2018

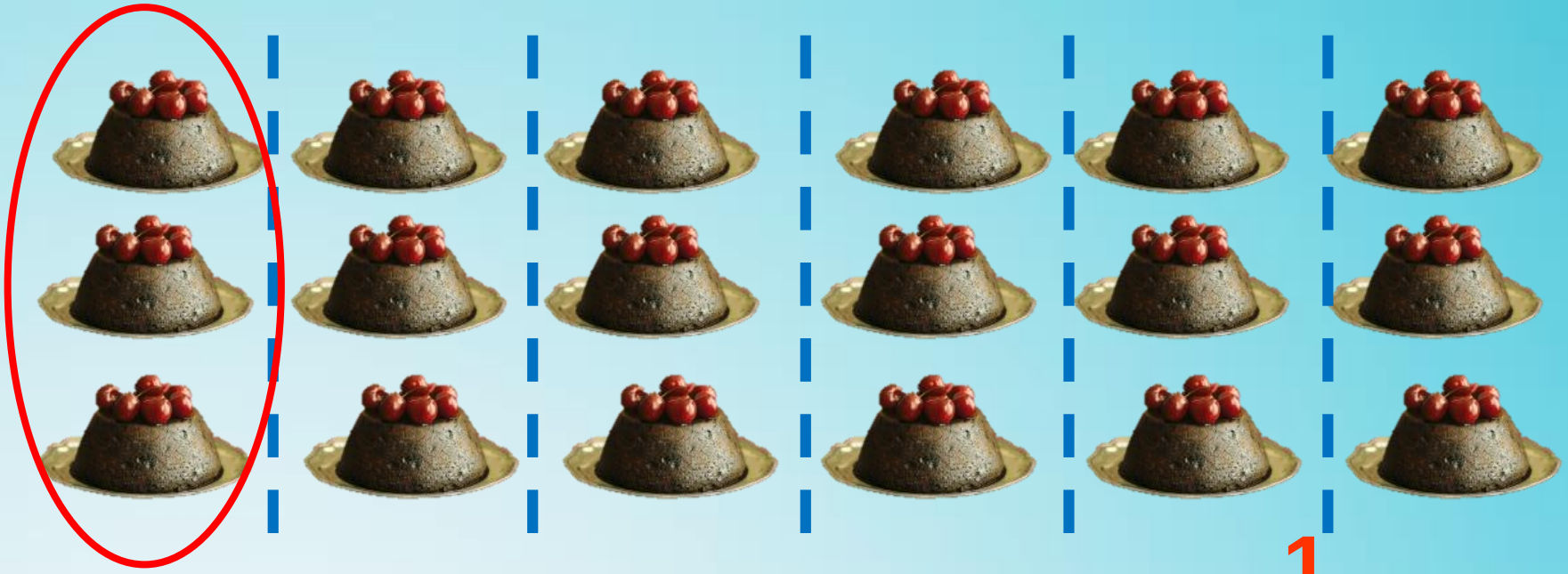
Write the fraction for the part that is coloured



($\frac{1}{4}$)

($\frac{1}{3}$)

($\frac{1}{6}$)



Henry and I got 18 puddings last night , I will take $\frac{1}{6}$ of the whole puddings away. How many puddings should I take?

$\frac{1}{6}$ of 18 is ( )? $18 \div 6 \times 1 = 3$

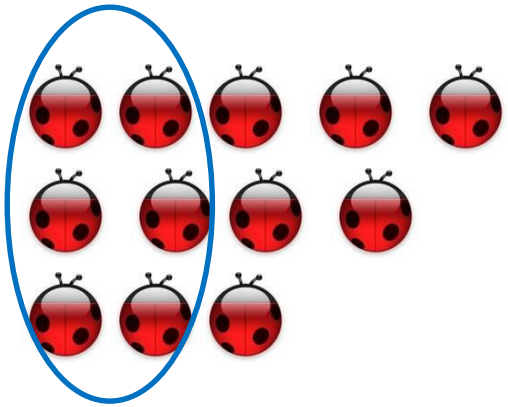
÷6 是什么意思　　×1 是什么意思

Circle items according to the points given.

$\frac{1}{4}$

Sentense:

$16 \div 4 \times 1 = 4$

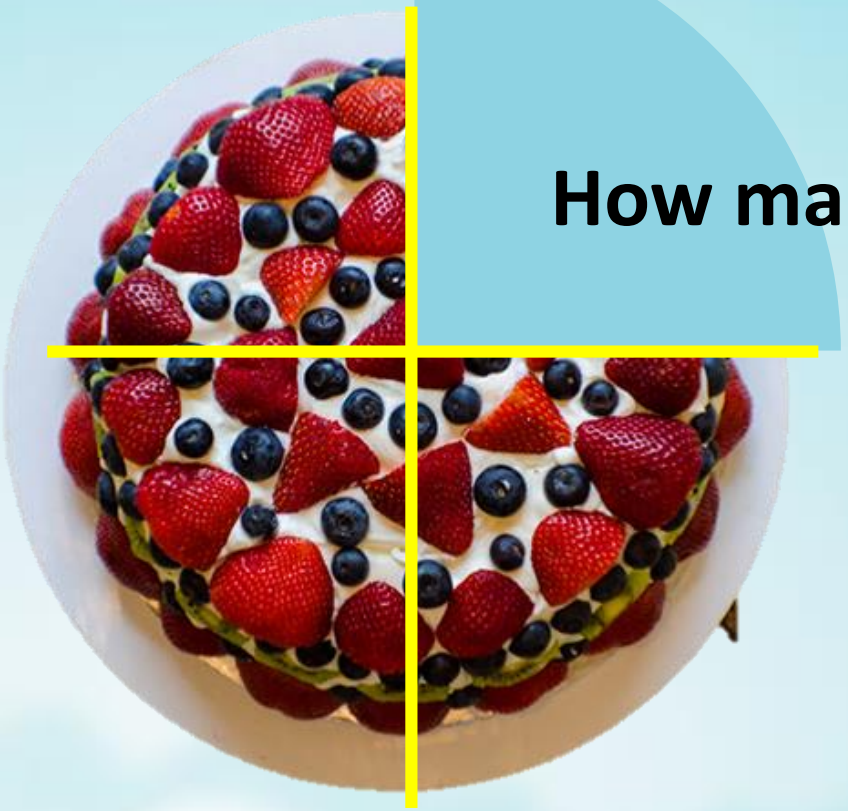


$\frac{1}{2}$

$12 \div 2 \times 1 = 6$

Non-unit Fraction

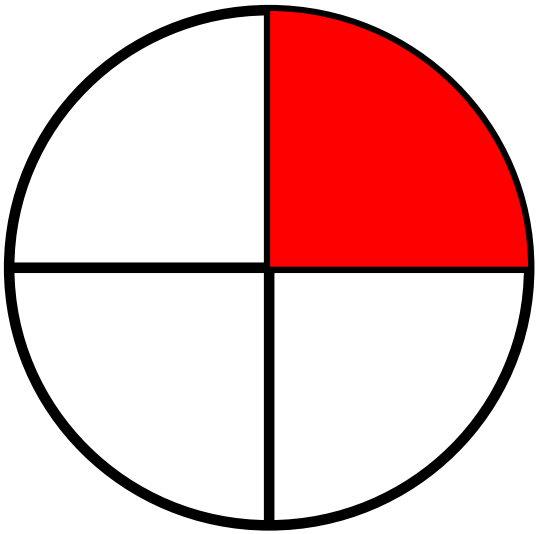
Jess made a cake for Lily.



How many cake did Lily eat ?

How many cake are left ?

Example1:Divide a cake into 4 equal parts, one part is coloured.

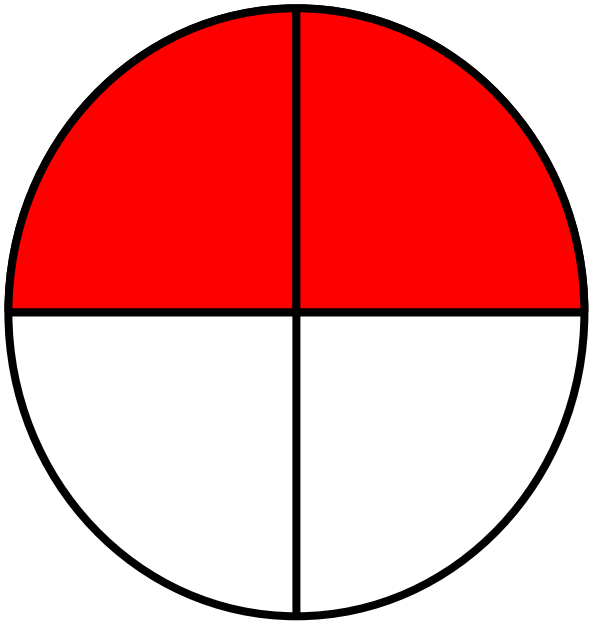


red part is ($\frac{1}{4}$) of the whole

white parts are ($\frac{3}{4}$) of the whole

Three ($\frac{1}{4}$) are ($\frac{3}{4}$)

Example2:Divide a cake into 4 equal parts,
two parts are coloured.



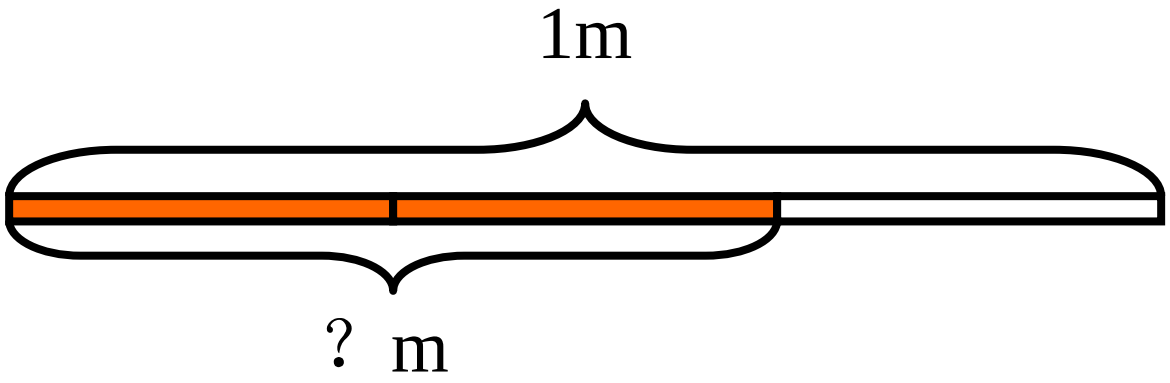
red parts are ($\frac{2}{4}$) of the whole

white parts are ($\frac{2}{4}$)of the whole

Two ($\frac{1}{4}$) are ($\frac{2}{4}$)

Example3:Divide 1m paper tape into 3 equal parts.

How long are 2 parts?



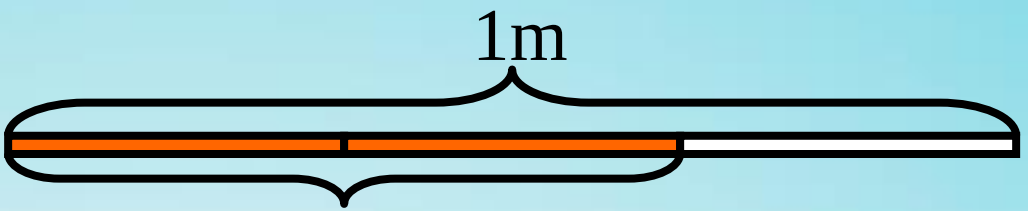
1 part is $\frac{1}{3}$ m

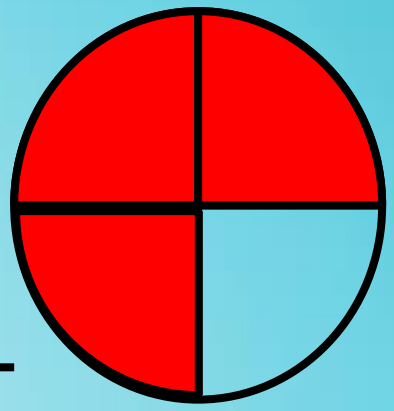
Two $\frac{1}{3}$ are $\frac{2}{3}$

2 parts are $\frac{2}{3}$ m

The coloured parts is ($\frac{2}{3}$) of the 1 meter.

The length of coloured part is ($\frac{2}{3}$ m)





$\frac{2}{3}$ ← Numerator → $\frac{3}{4}$

← Fraction bar →

← Denominator →

Denominator shows how many equal parts we divide the whole into

Numerator shows how many parts we are talking about

Non unit fraction is made by a few unit fractions.

$\frac{2}{4} = \text{two}\ \frac{1}{4}$

Exercise1: Fill in the blanks

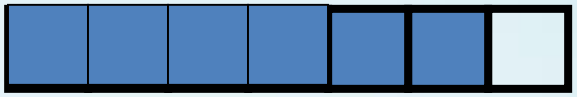
1、 A circle is divided into 4 equal parts. Then 3 parts of the circle are （$\frac{3}{4}$）

2、 A circle is divided into 7 equal parts. Then 3 parts of the circle are （$\frac{3}{7}$）

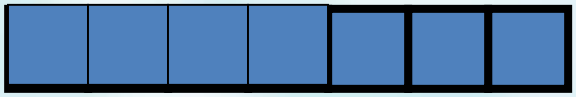
3、 A circle is divided into 7 equal parts. Then 5 parts of the circle are （$\frac{5}{7}$）

Exercise2: Fill in the blanks

Four($\frac{1}{7}$) are ($\frac{4}{7}$)



Six ($\frac{1}{7}$) are ($\frac{6}{7}$)



Seven($\frac{1}{7}$) are ($\frac{7}{7}$)

1

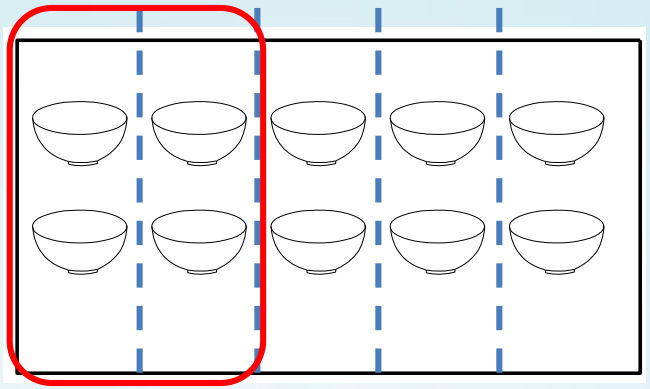
$$\frac{7}{7} = 1$$

Conclusion:

If the denominator and numerator are same, then fraction is equal to 1

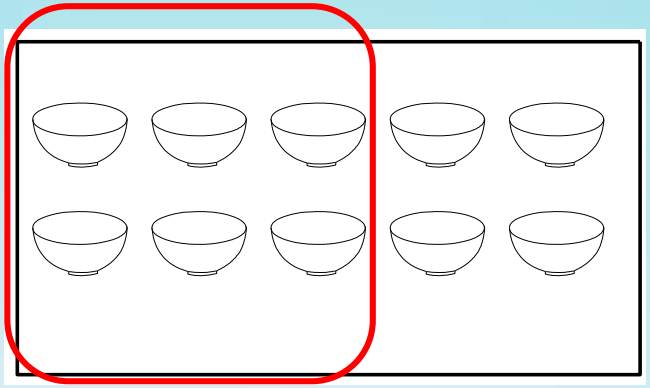
口头再举例

Exercise3: Fill in the blanks



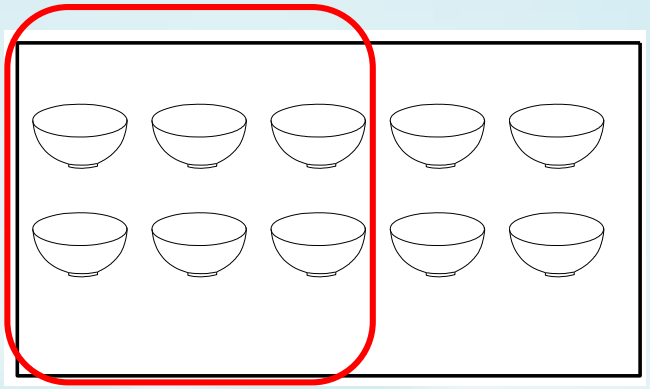
We divide them into （ **5** ）equal parts. Circle （ **2** ）parts.

The fraction of circled is（ $\frac{2}{5}$ ）.



We divide them into （5）equal parts. Circle （3）parts.

The fraction of circled is （$\frac{3}{5}$）.

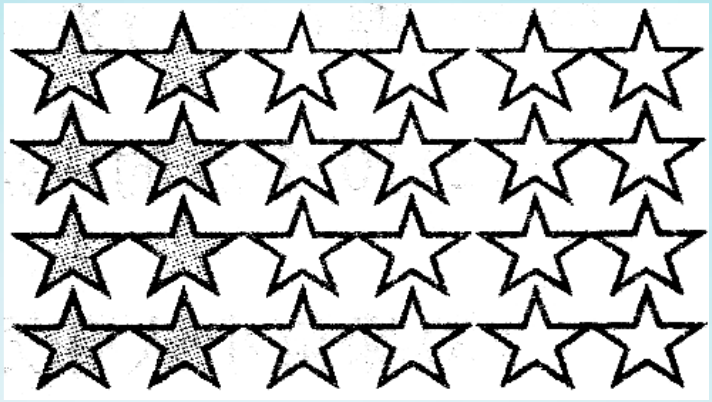


We divide them into （10）equal parts. Circle （6）parts.

The fraction of circled is （$\frac{6}{10}$）.

What can you find?

Challenge



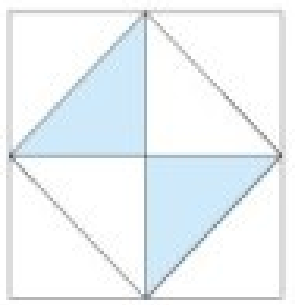
We circle （　　） stars as one part.

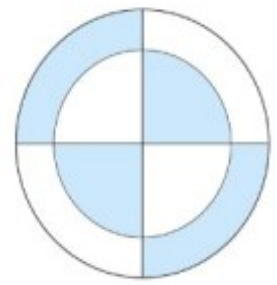
The whole divides into （　　）parts.

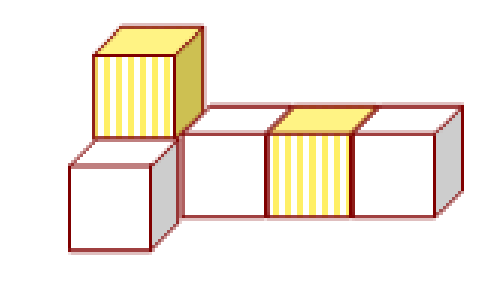
The colourful parts of the fraction is （　　）.

Challenge

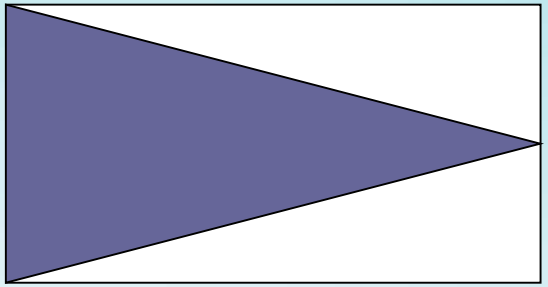
What is the fraction of coloured part?







- $\frac{2}{8}$
- $\frac{2}{4}$
- $\frac{2}{6}$
- $\frac{1}{4}$
- $\frac{1}{2}$



3x5+4x5 = 35

6x4+4x4 = 40

7x11+7x9 = 140

7x15+5x7= 140

49+13x7= 140