

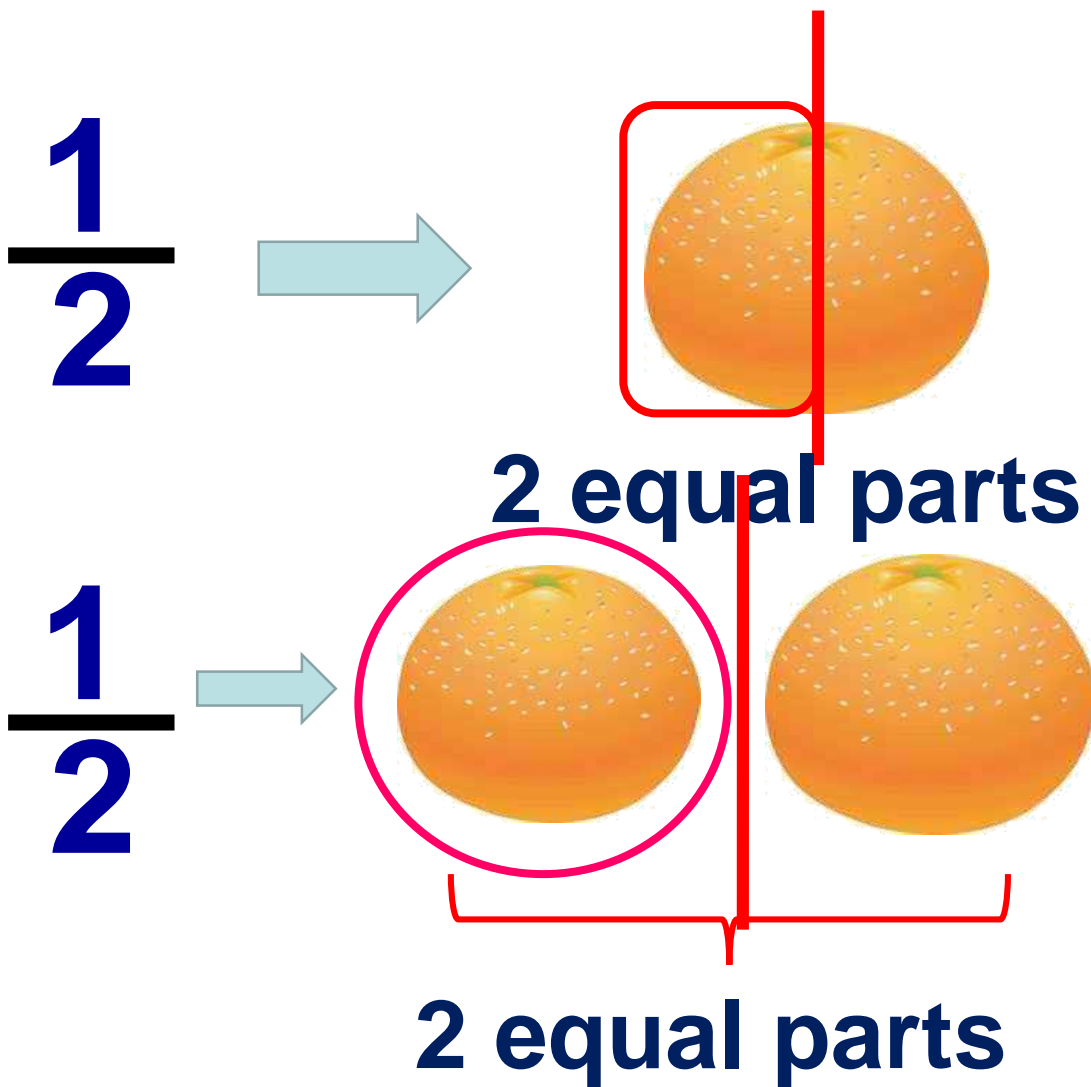


Fractions(7)

Unit fraction in discrete models(2)

Yvonne 张漪雯

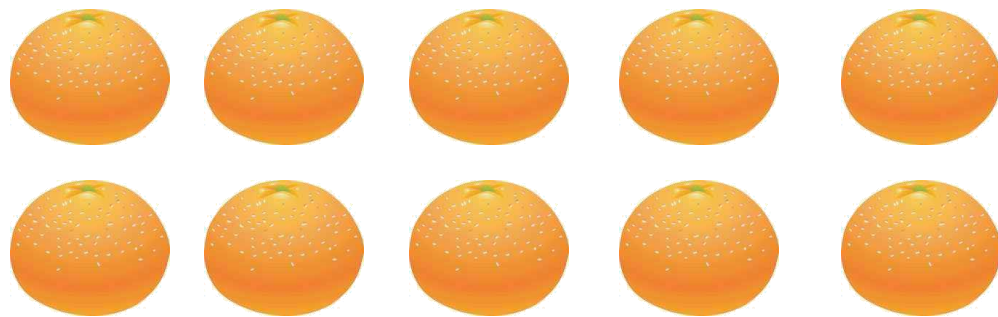
Why we can use one-half to express each part of the whole?



The fraction is used to express the relationship between the whole and the part!

Circle the part in the pictures according to the unit fractions.

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



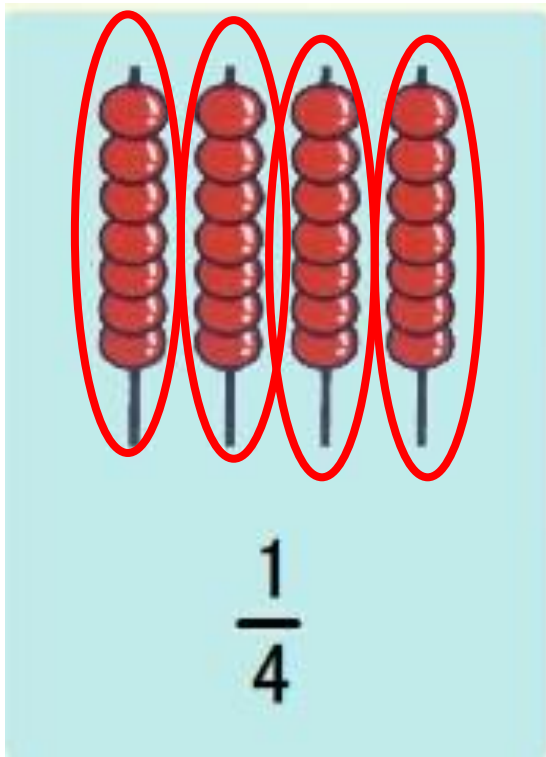
Step 1:

Take 10 counters out of the plate, take them as the oranges.

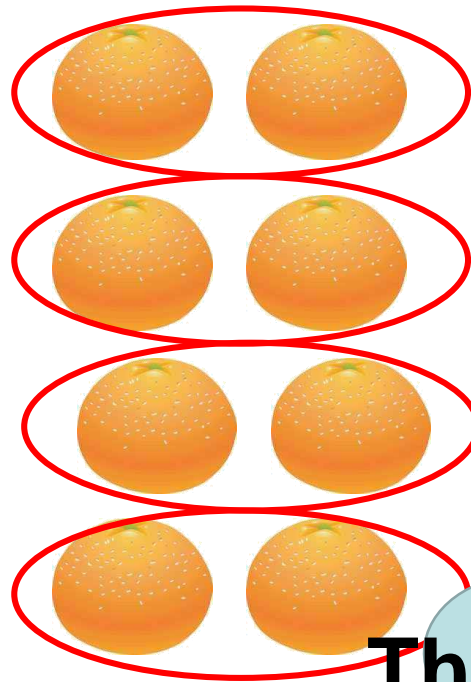
Step 2:

Divided them equally and circle the one-half of the whole.

Circle the part in the pictures according to the unit fractions.



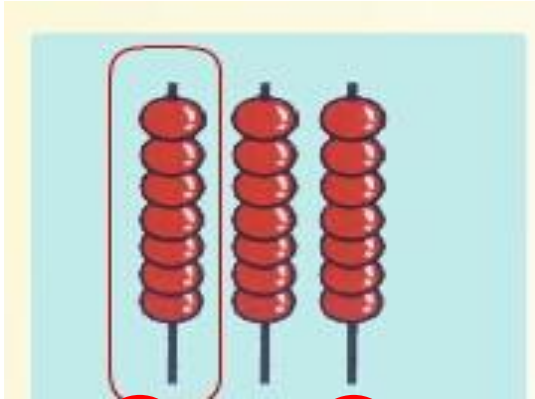
4 equal parts



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

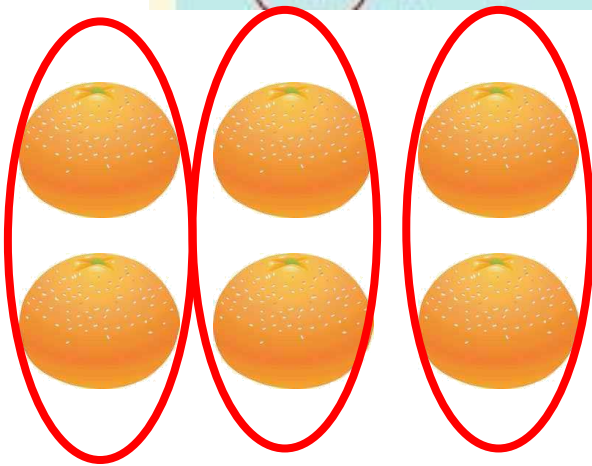
**They are different!
Why can we still use
one-quarter?**

Challenge: Write down the unit fractions according to the picture.



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

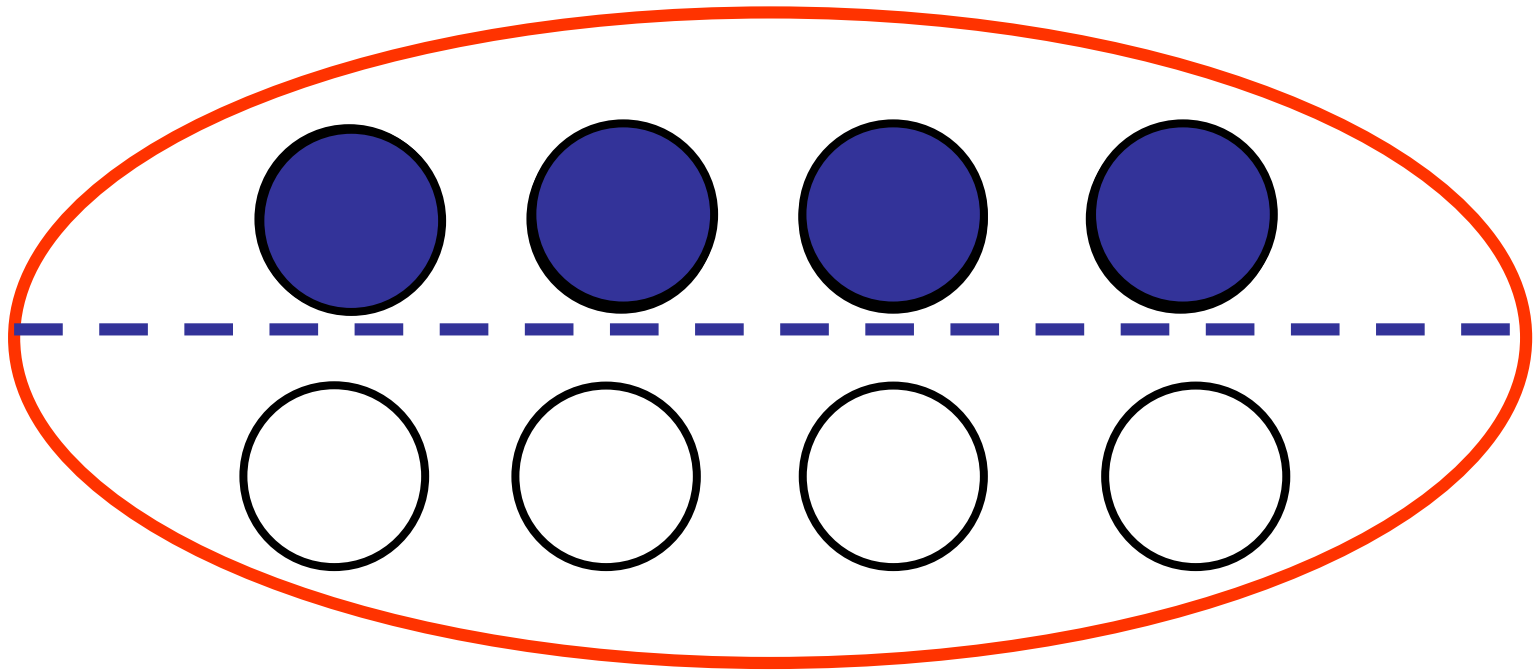
1 part of the whole
3 equal parts



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

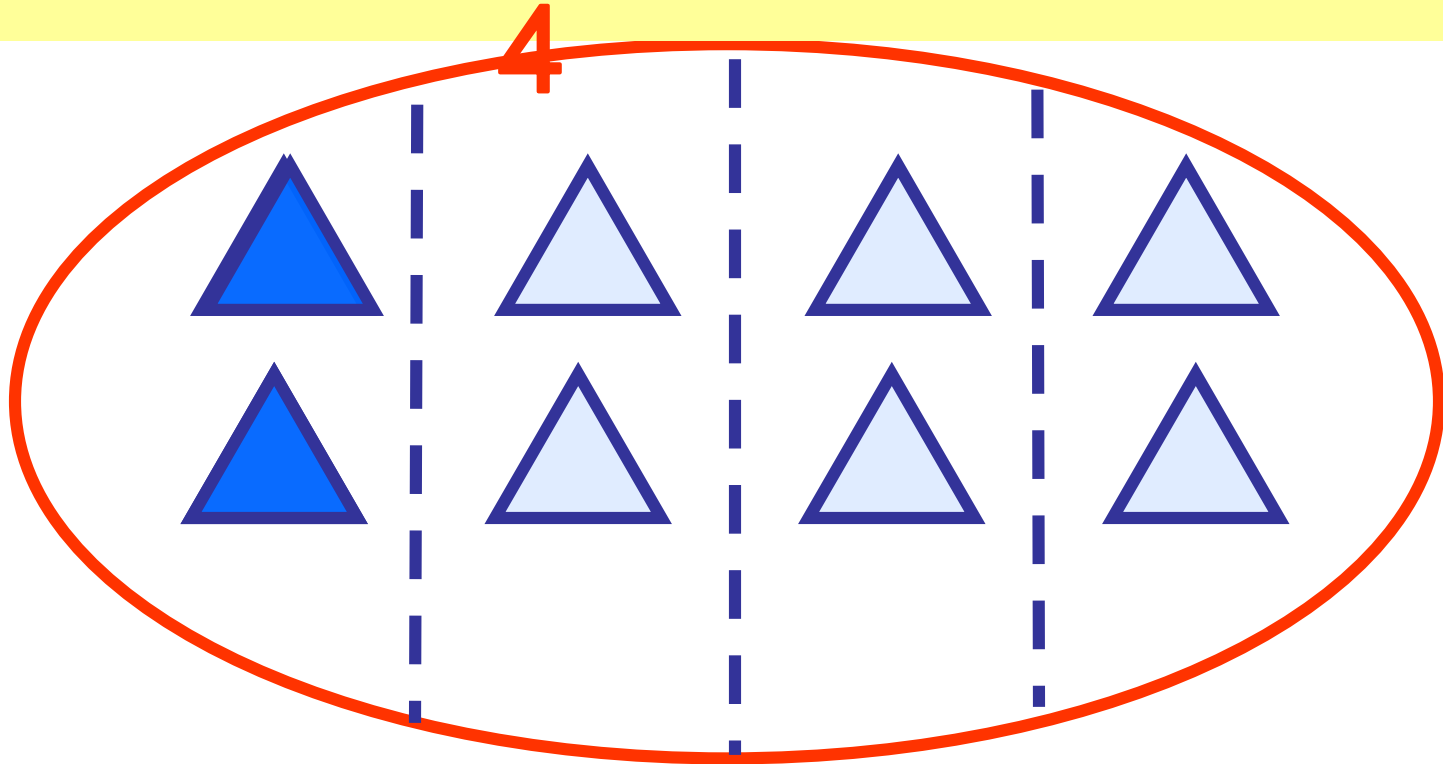
The whole is divided into (2) equal parts,

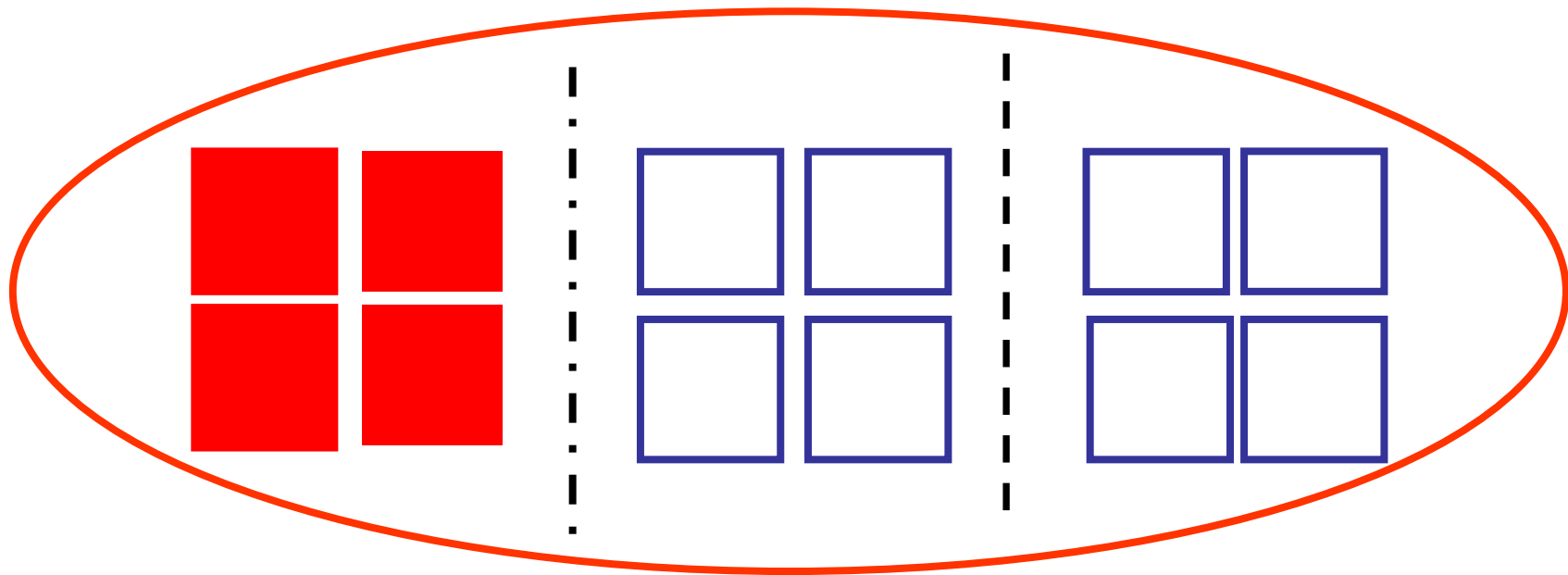
colored part is $\left(\frac{1}{2}\right)$ of the whole.



The whole is divided into (4) equal

parts, colored part is () of the whole.





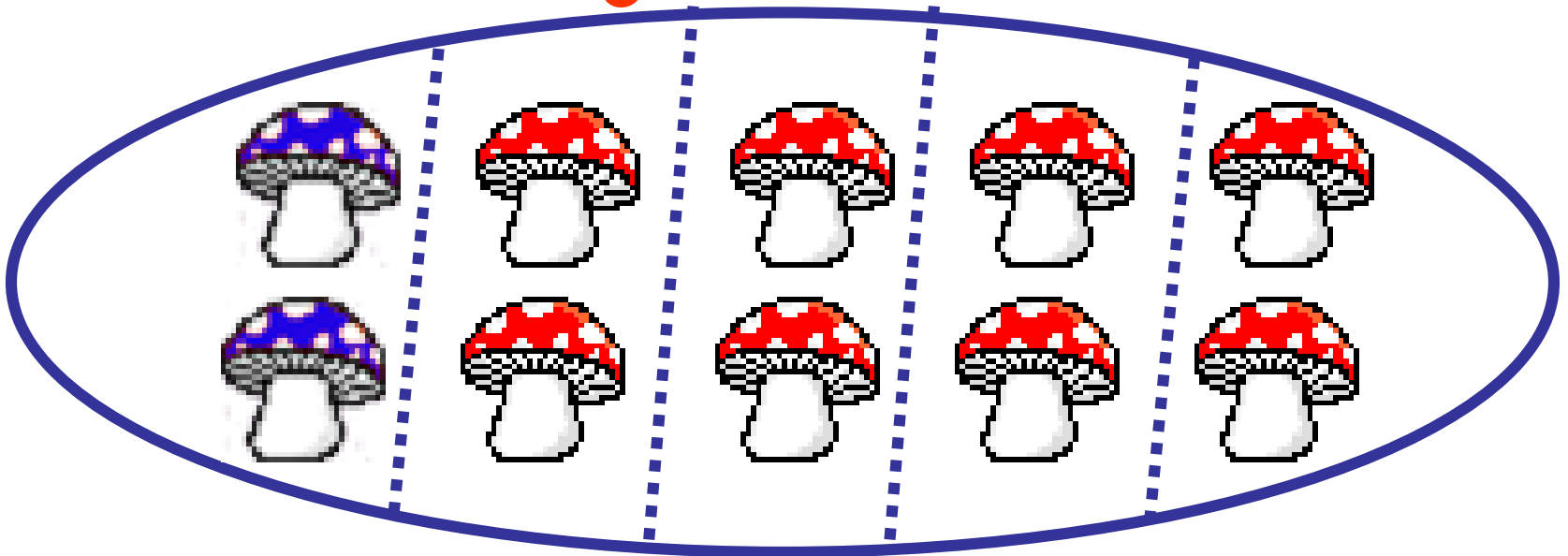
$$\frac{1}{3}$$

3 equal parts

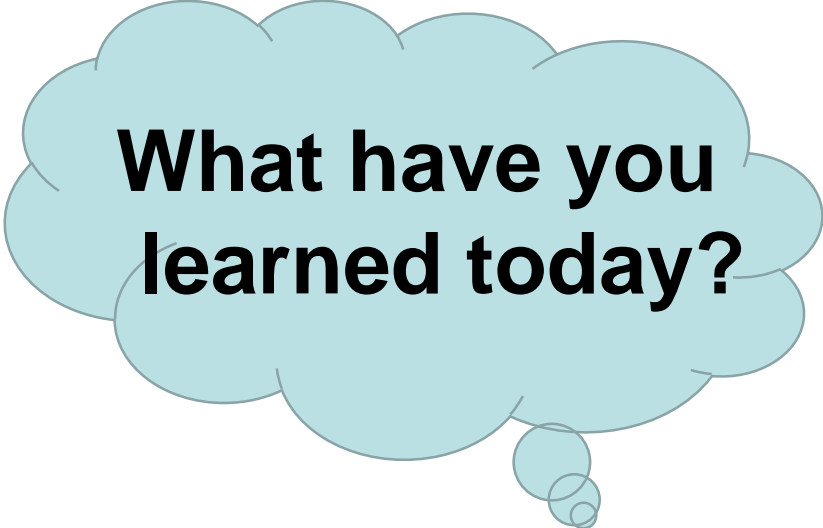
$$\frac{1}{4}$$

Challenge1:

The whole is divided into (5) equal parts, colored part $\frac{1}{5}$ is () of the whole.



**The fraction is used to express
the relationship between the whole
and the part no matter how many
the whole!**



**What have you
learned today?**

Challenge 2:

There are 9 ★.



$\frac{1}{3}$ of 9 ★ is equal to () ★

A 1

B 2

C 3

D 4

Challenge3:

Tom and Mary each one has 6 pencils.

Tom has used $\frac{1}{2}$ of all his pencils.

Mary has used $\frac{1}{3}$ of all her pencils.

Now, who has use more pencils ? Why?

(Maybe you can draw a brief picture to help you to understand and explain.)