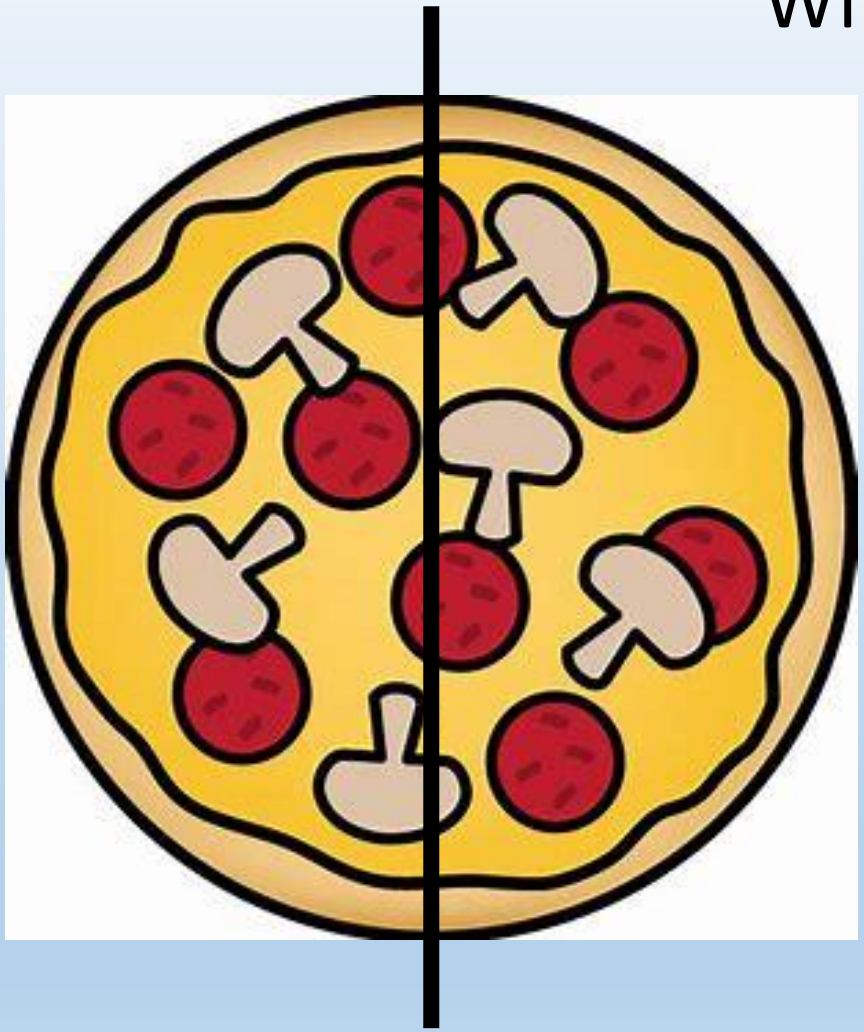
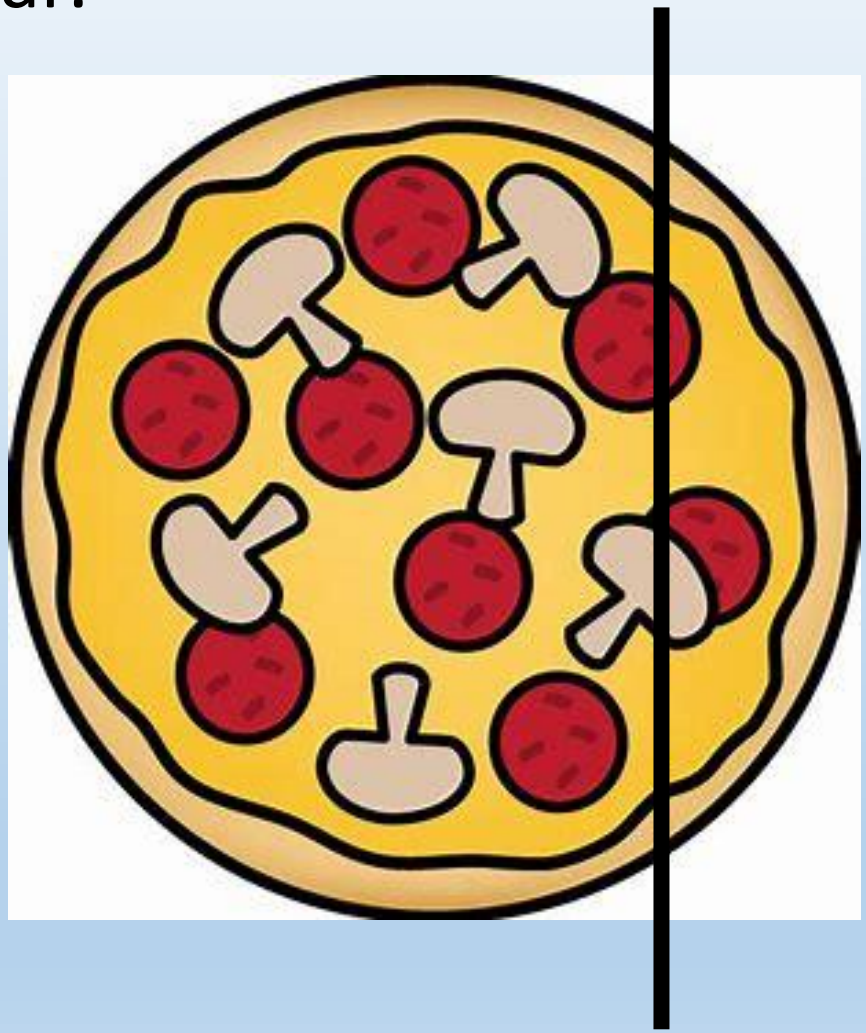
Session 1

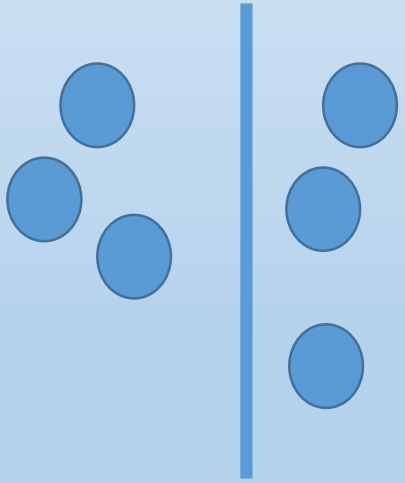
What would you prefer?
Which way is equal?

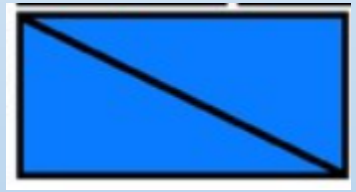


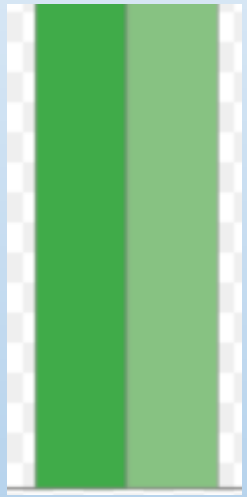


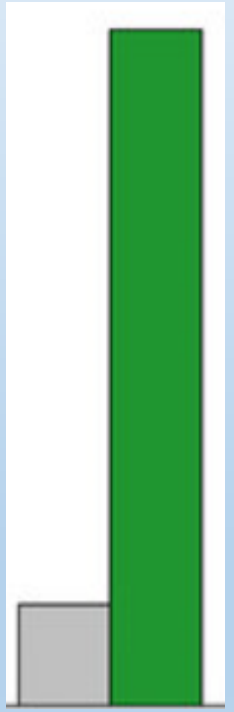
What does the word equal mean?

Which are equal, which are unequal?

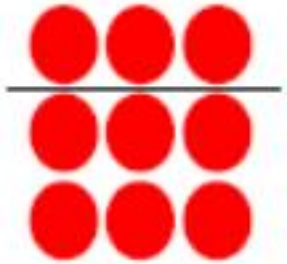


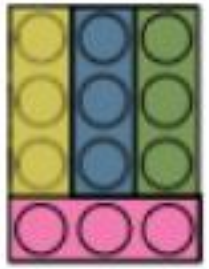






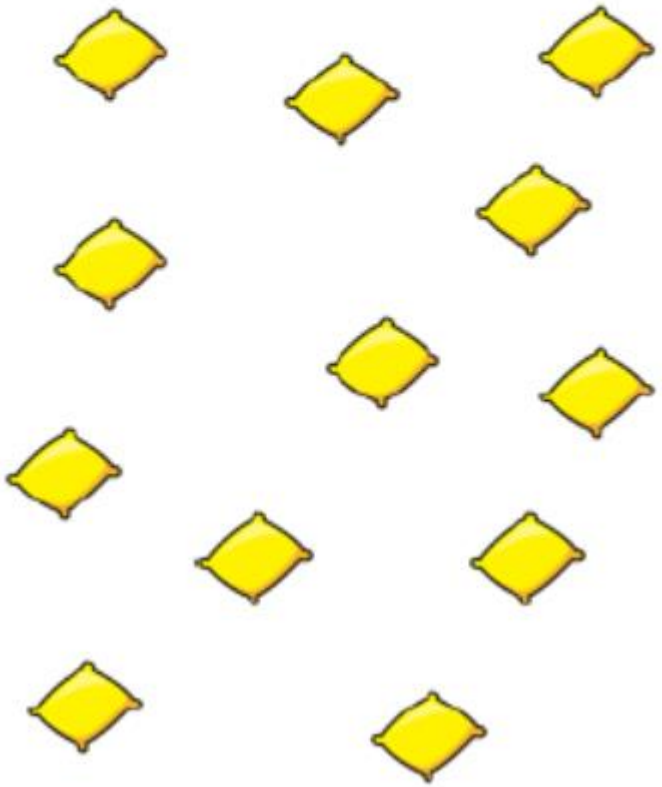
Look at the representations. Decide which show equal parts and which show unequal parts.





Can you split the teddies into three equal groups?
Can you split the teddies into three unequal groups?

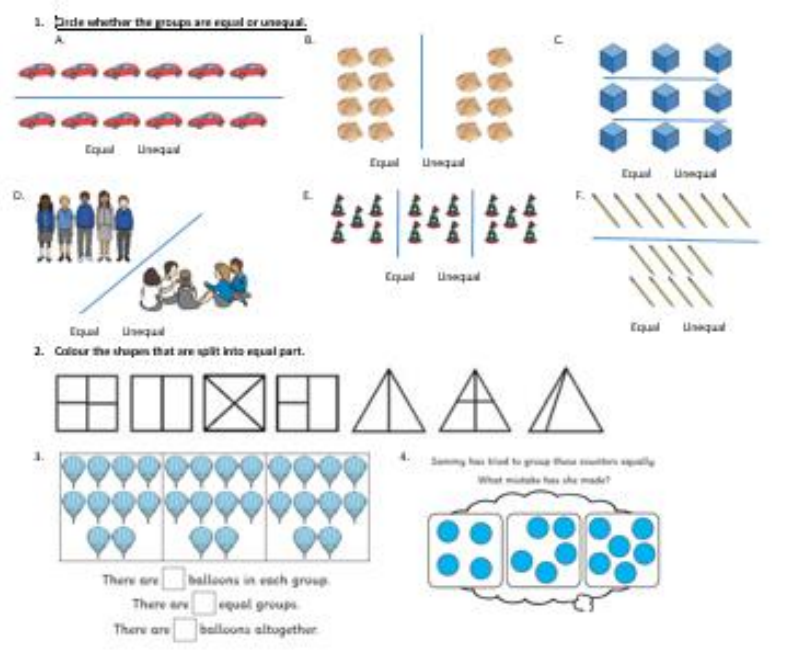
How many different ways can you put these beanbags into equal groups?



Task

Task 1: In pairs, use different counters/ objects and put them in equal groups.

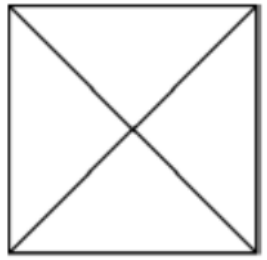
Task 2: Complete Task A distinguishing between equal and unequal.



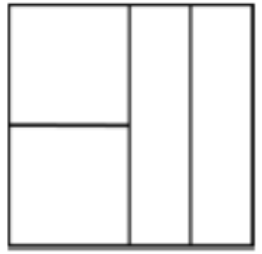
Challenge

Three children are splitting a square into equal parts.

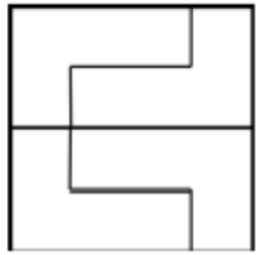
Child A



Child B



Child C

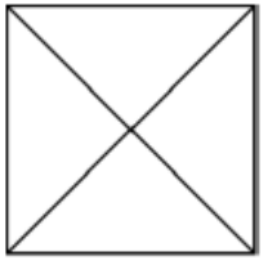


Who has split the square into equal parts? Explain why.

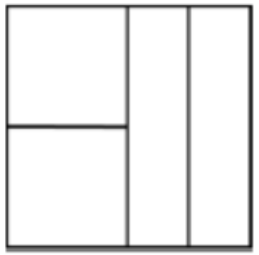
Plenary

Three children are splitting a square into equal parts.

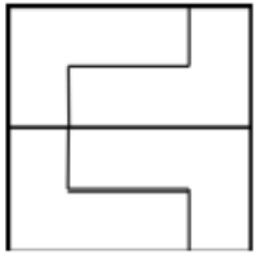
Child A



Child B



Child C



Who has split the square into equal parts? Explain why.

Plenary

$\frac{1}{2}$

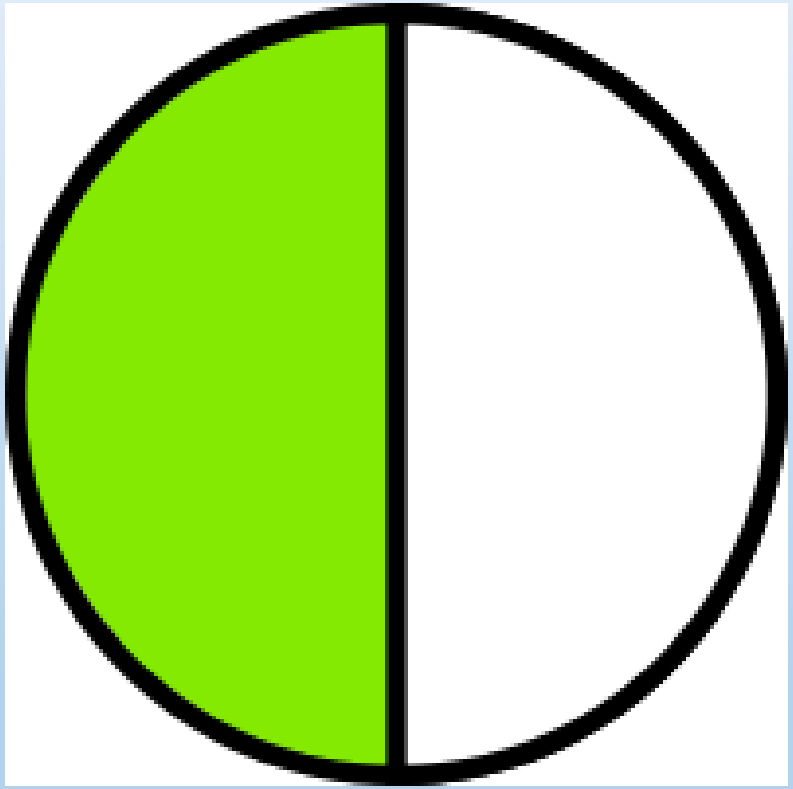
What does this mean?

Session 2

$\frac{1}{2}$

What does this mean?

½



One half can be written like this

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

As you can see fractions are made up of 2 different parts.

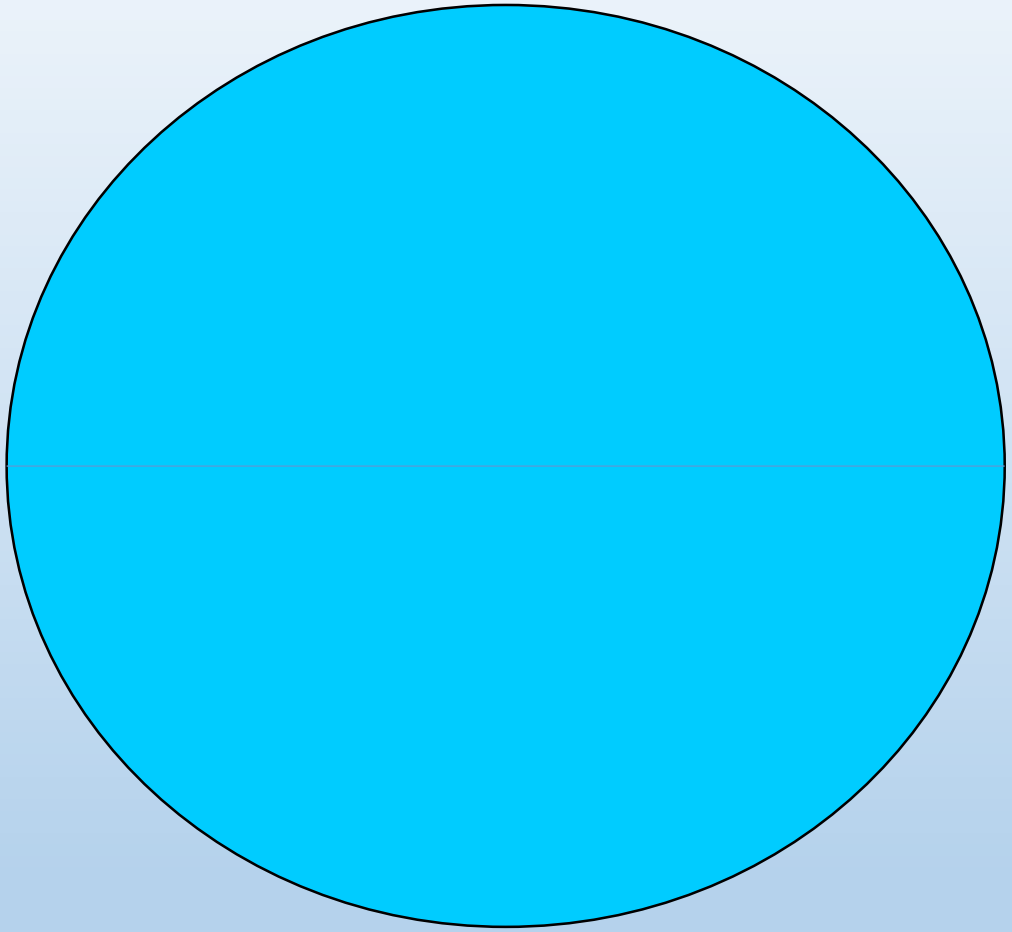
One part on the top and one part on the bottom.

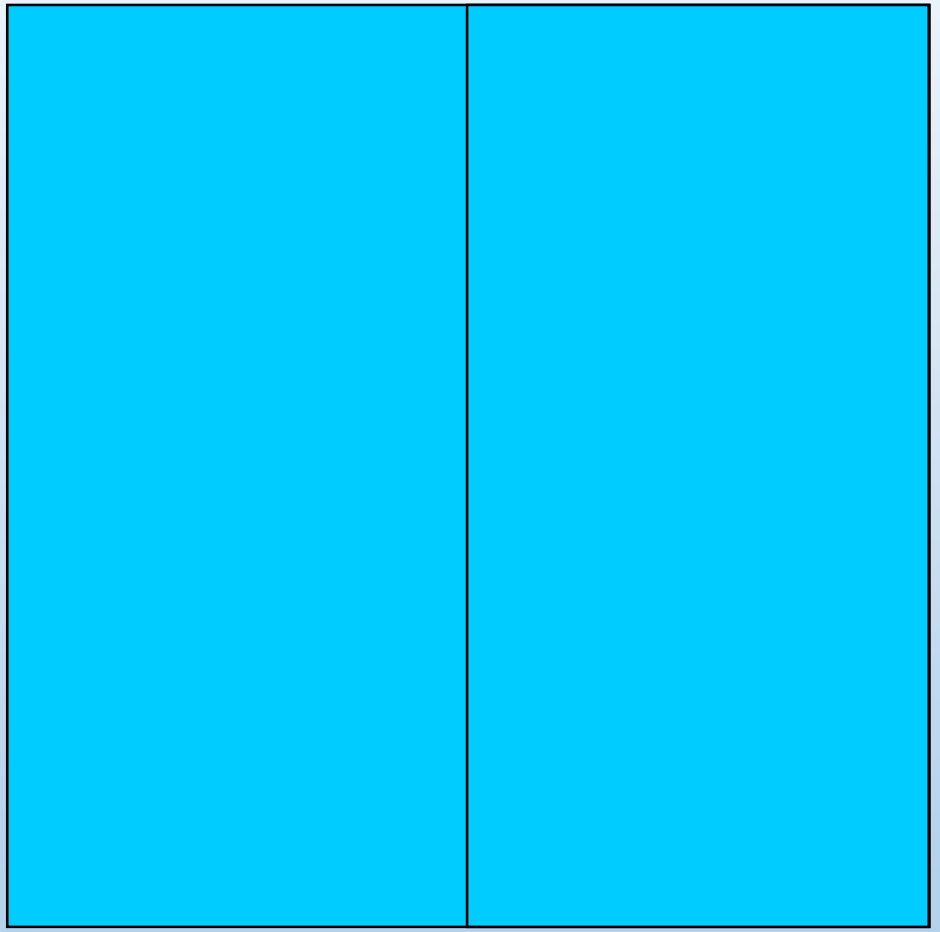
The top and bottom parts of the fraction have different meanings.

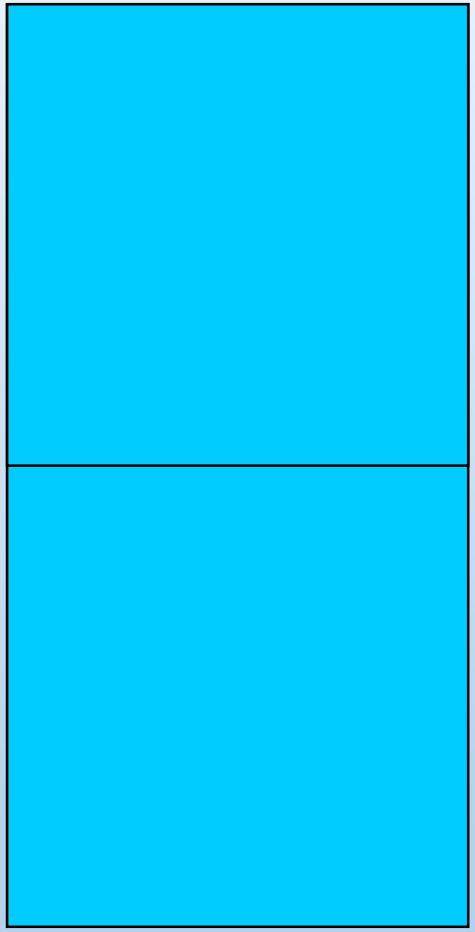
$$\frac{1}{2}$$

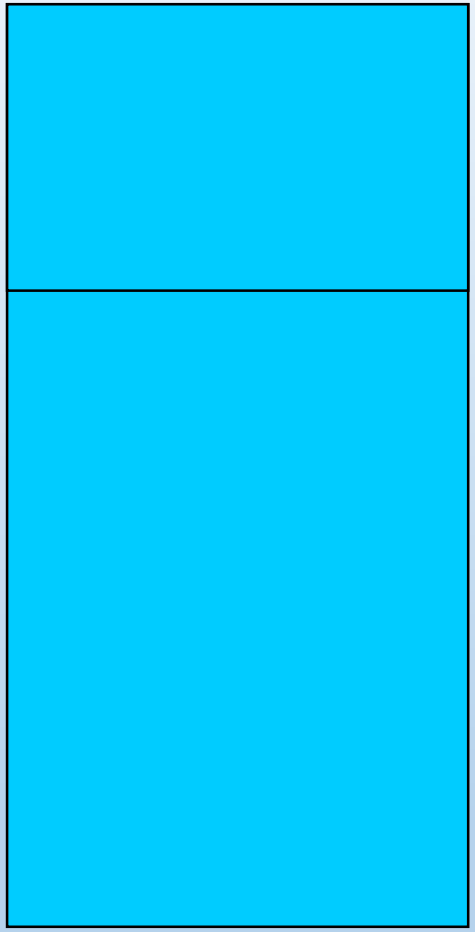
The top number is the number of parts

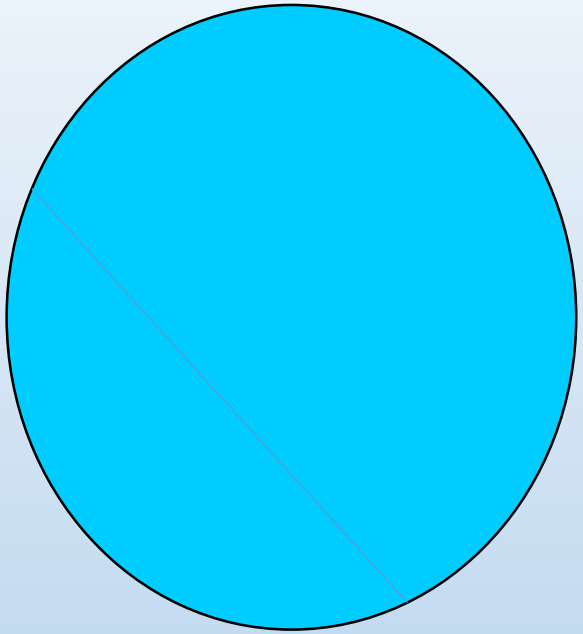
The bottom number is the total number of parts

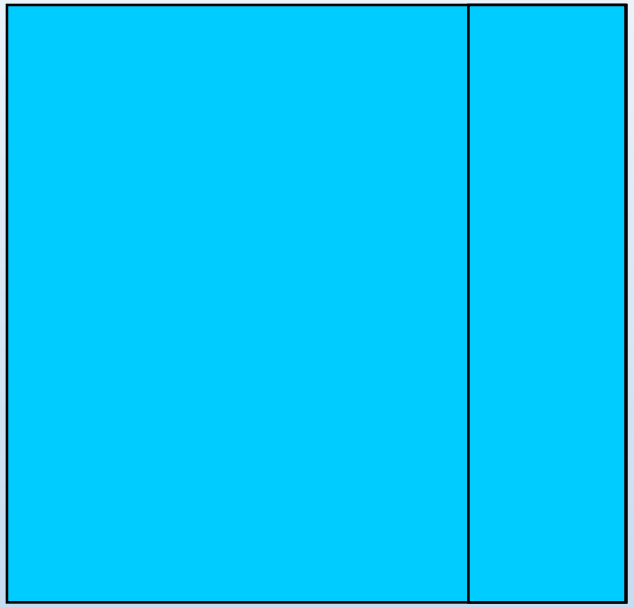




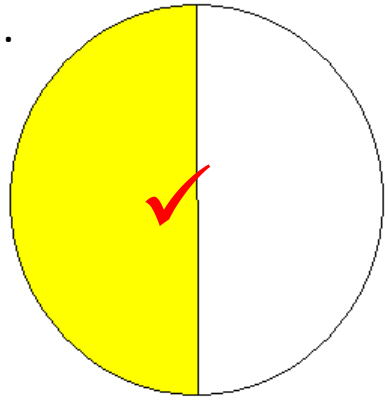


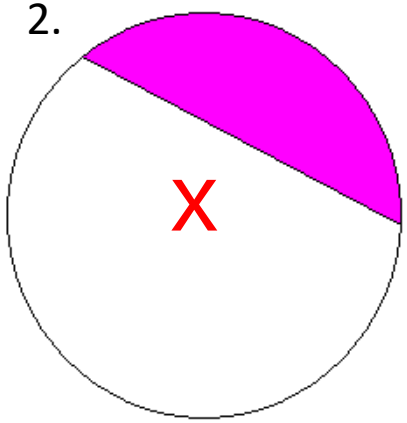


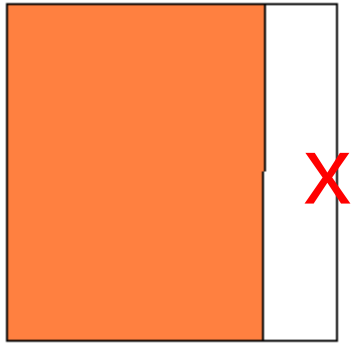


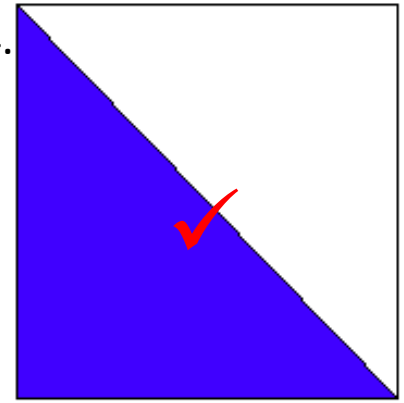


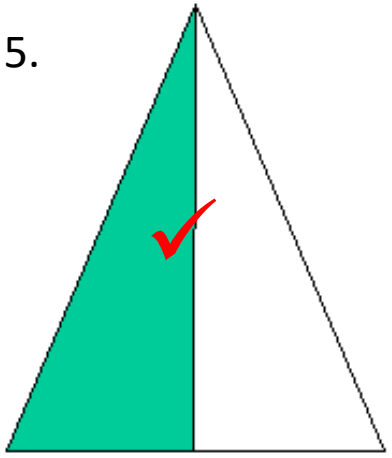
Your turn

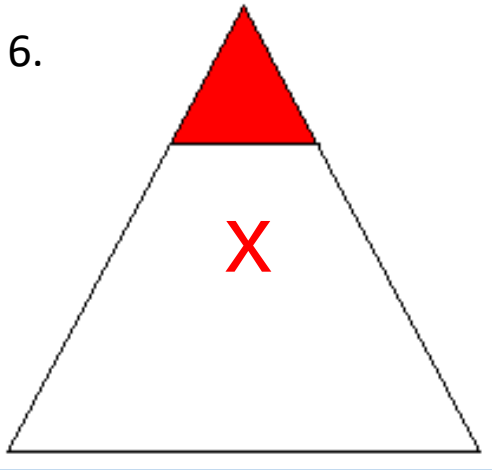
1. 

2. 

3. 

4. 

5. 

6. 

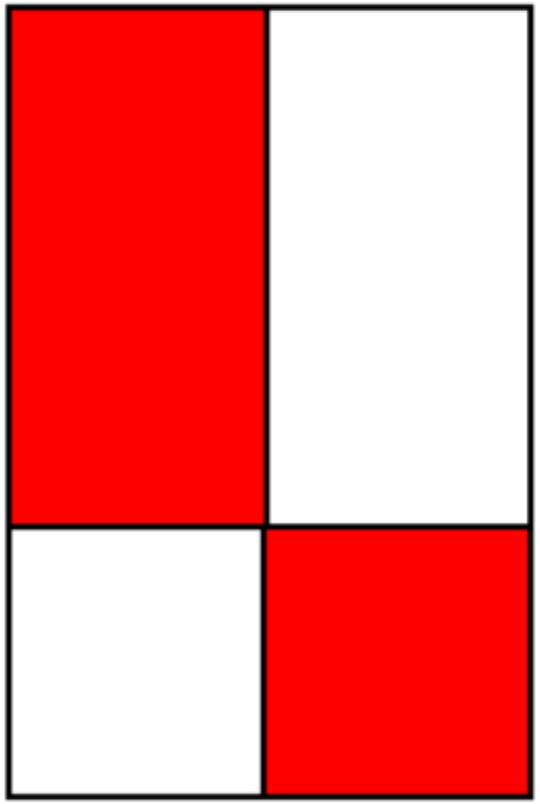
Odd One Out

$\frac{1}{2}$

One half

Which is the odd one out?
Explain your answer.

Sandy says the shaded part of the shape does not show a half because there are four parts, not two equal parts.



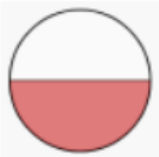
Do you agree? Explain why.

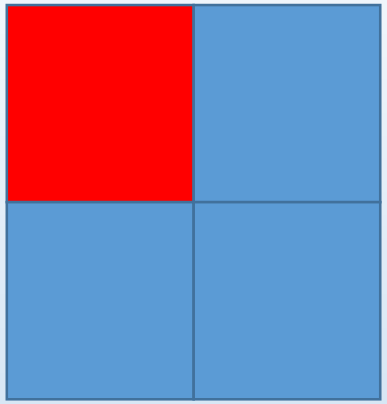
The whole pie is split into ☐ equal parts.

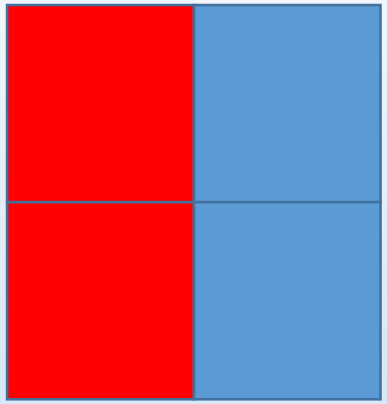
Each part is worth a ☐

This is the same as $\frac{\square}{\square}$

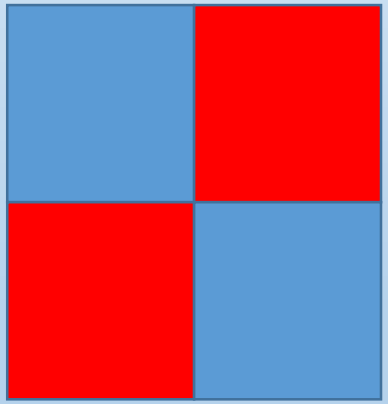
Which pictures represent $\frac{1}{2}$?

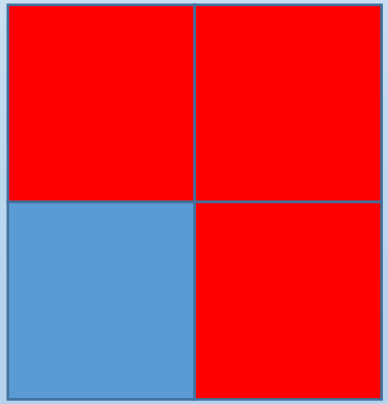






Which shape/s show half?





½ can also be known as 2/4

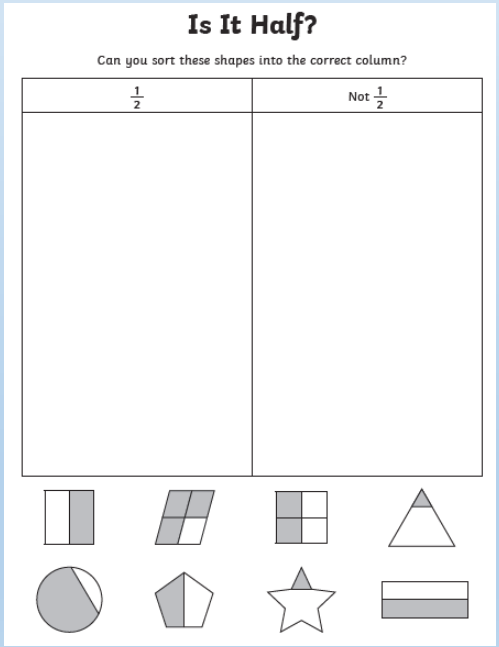
Task

Task A:

Can you split different objects into two equal groups?

Task B:

Complete the following sheet.
Which shapes show ½ which shapes do not show half?



Challenge

Laura, Susie and Jasmine are running a race.
Laura has run further than half way. Susie has run exactly half way. Jasmine has run less than half way.
Draw on the line where each child could be between the start and the end of the race.

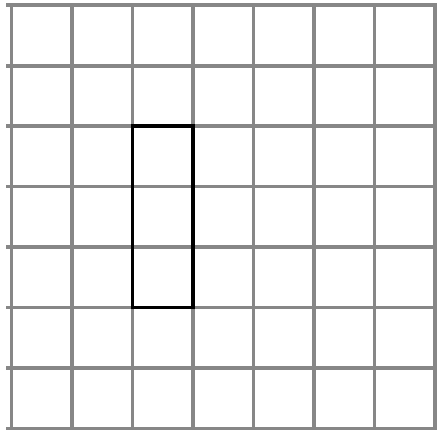
Start _____ End

Plenary

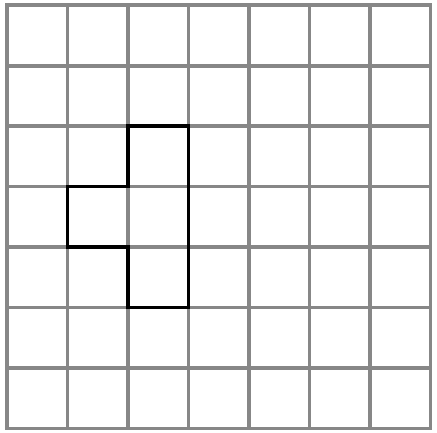
Only $\frac{1}{2}$ of each shape has been drawn.

Draw the missing half to make the whole.

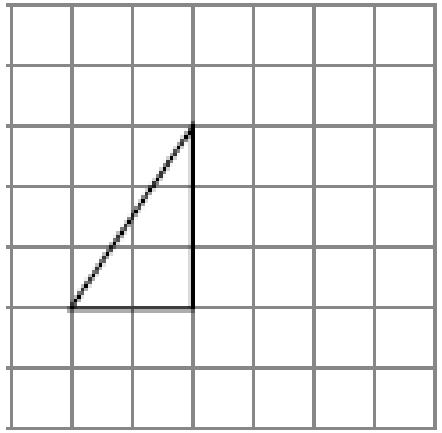
a)



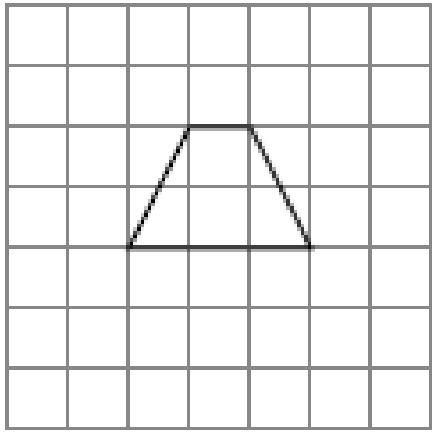
c)



b)

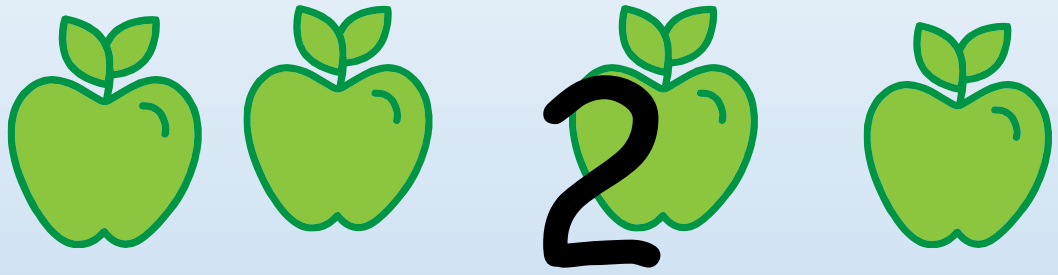


d)



Session 3

What is half of 4?

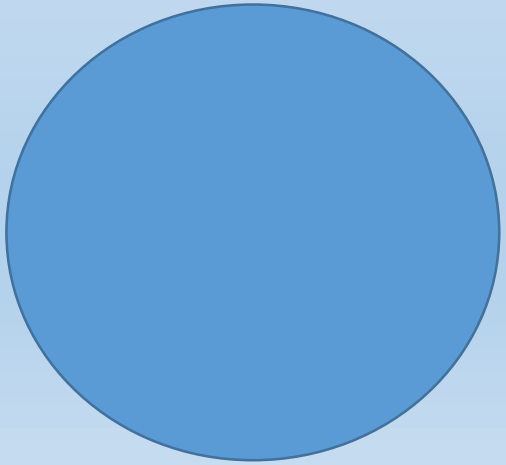


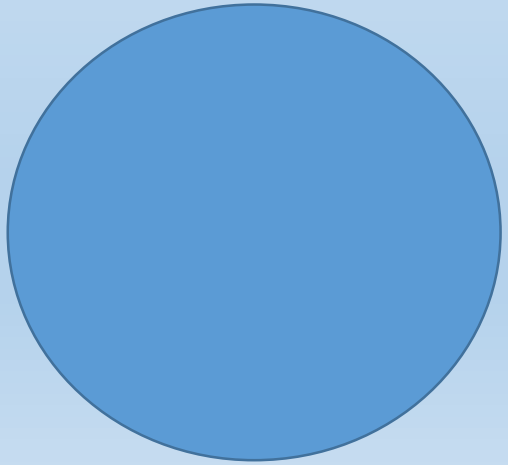
What is half of 10?

5

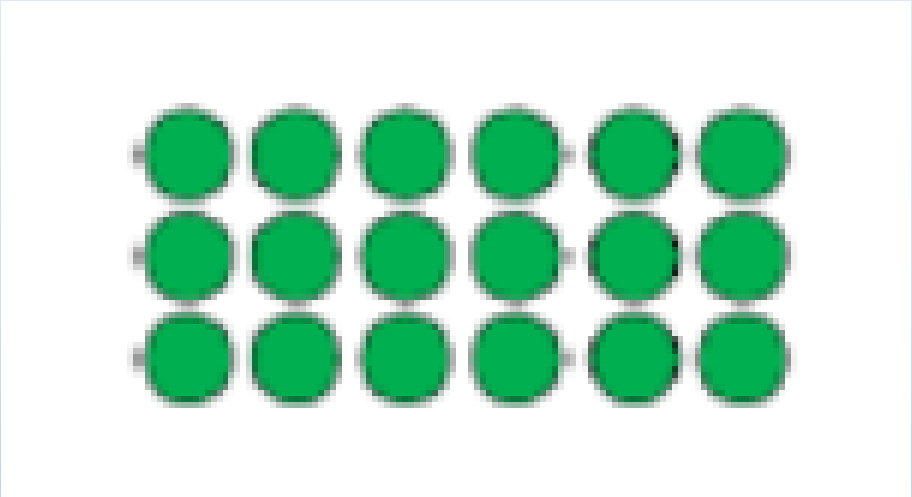
James has 20 sweets. He gives half of them to his friend. How many do they each have?

The whole is ____. Half of ____ is ____

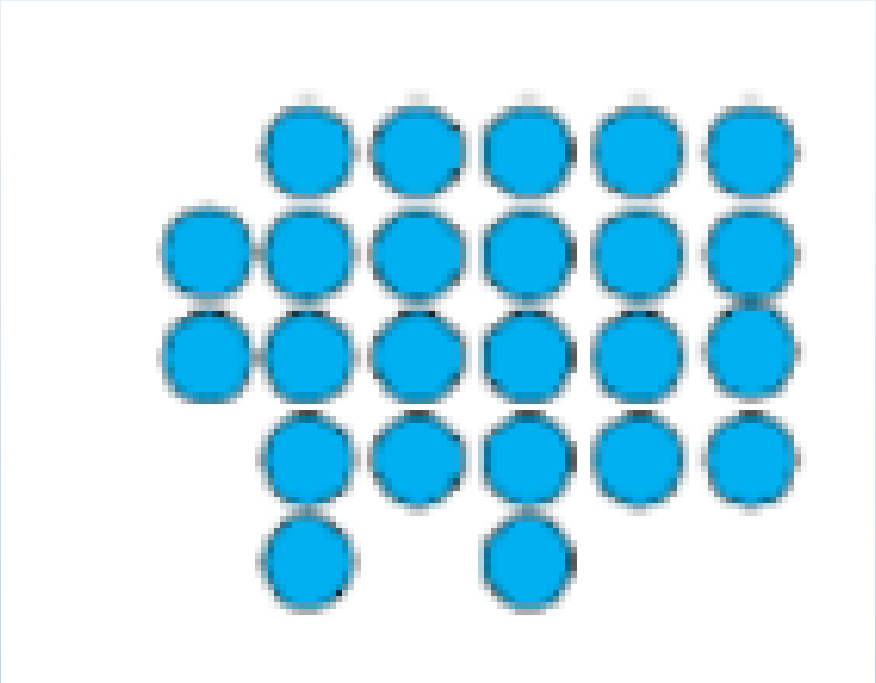




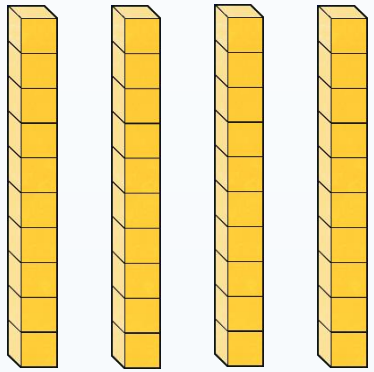
Half the counters

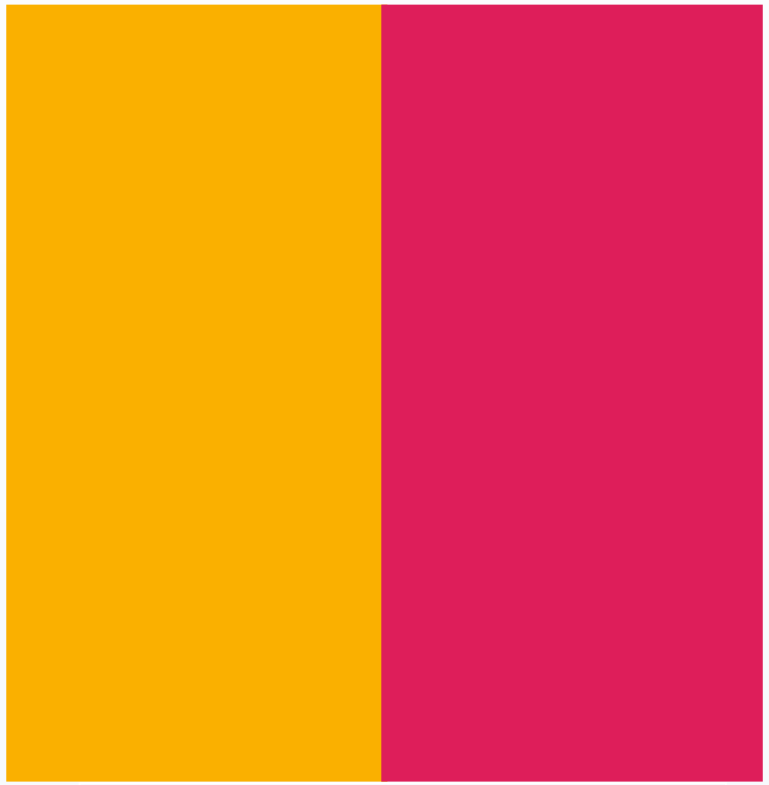


Half the counters



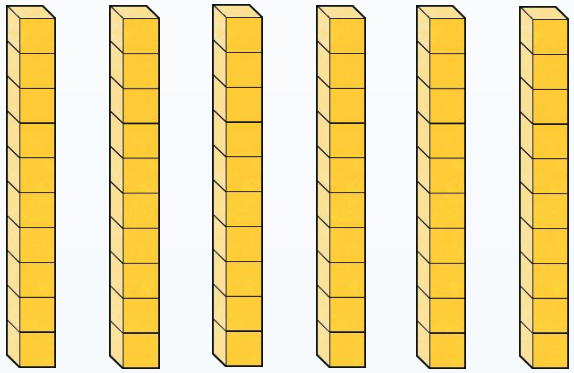
What is half of 40?

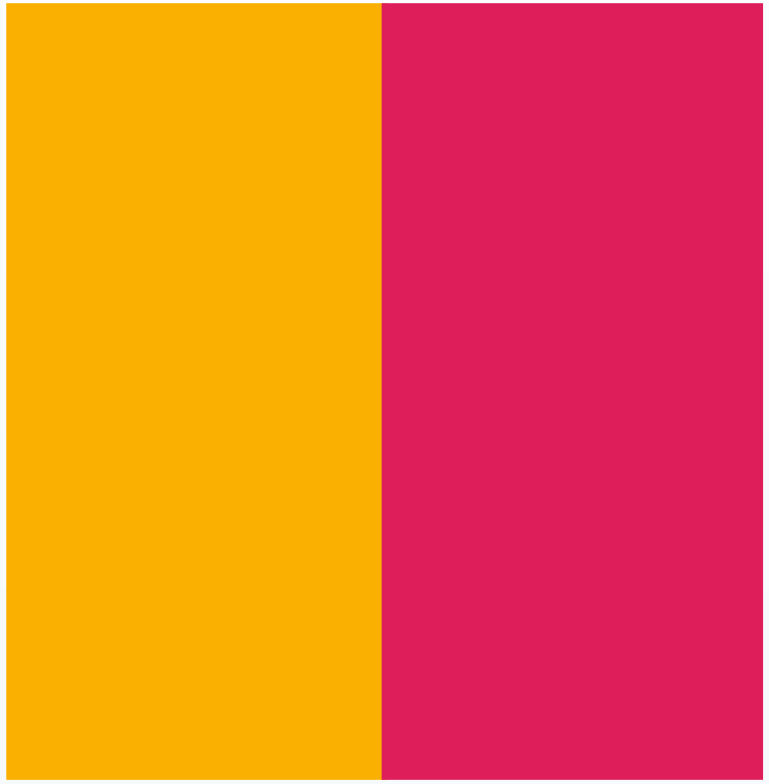




Answer 20

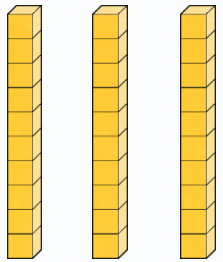
What is half of 60?



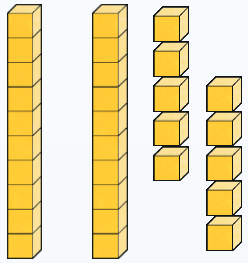


Answer 30

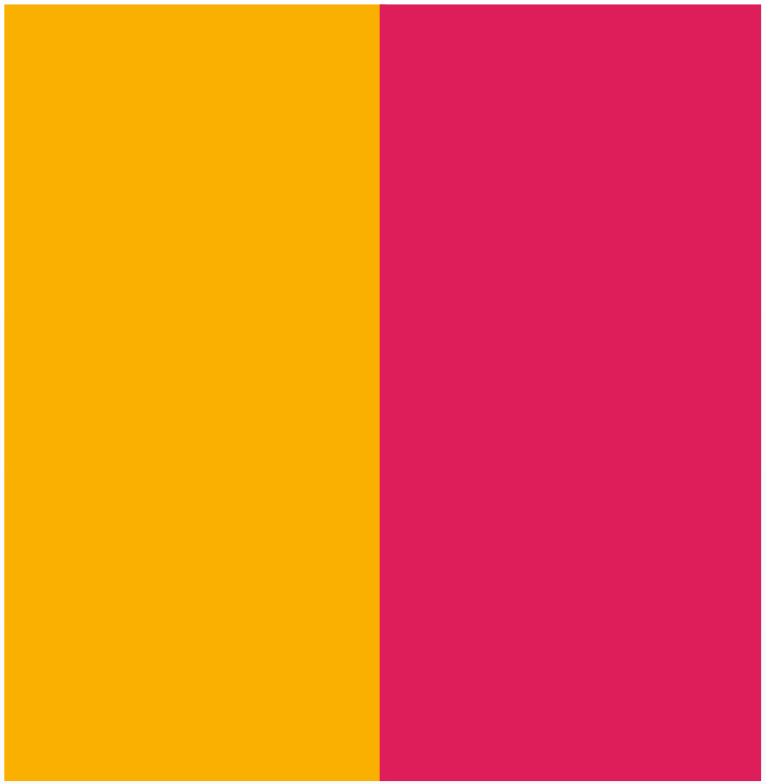
What is half of 30?



Break up one of the tens into ones.

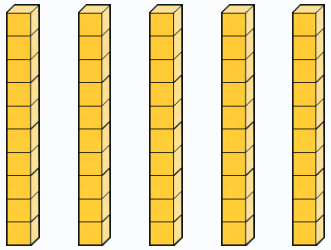


Share the ones equally.

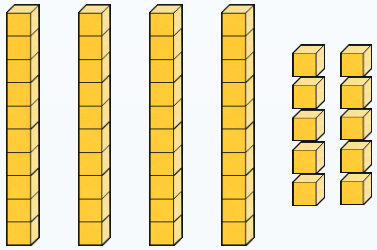


Answer 15

What is half of 50?



Break up one of the tens into ones.



Share the ones equally.

Answer 25

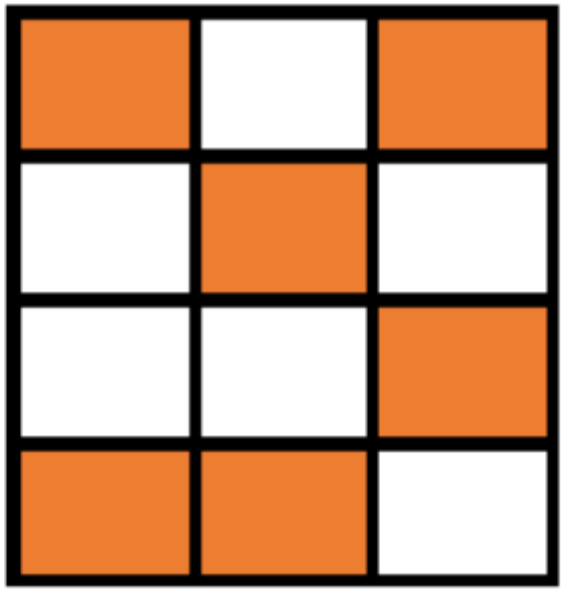
Task:

Half these numbers

8	40	50
12	46	90
16	68	70
14	24	30
20	42	34
4	68	52
2	86	78
6	44	96
10	62	34
18		52

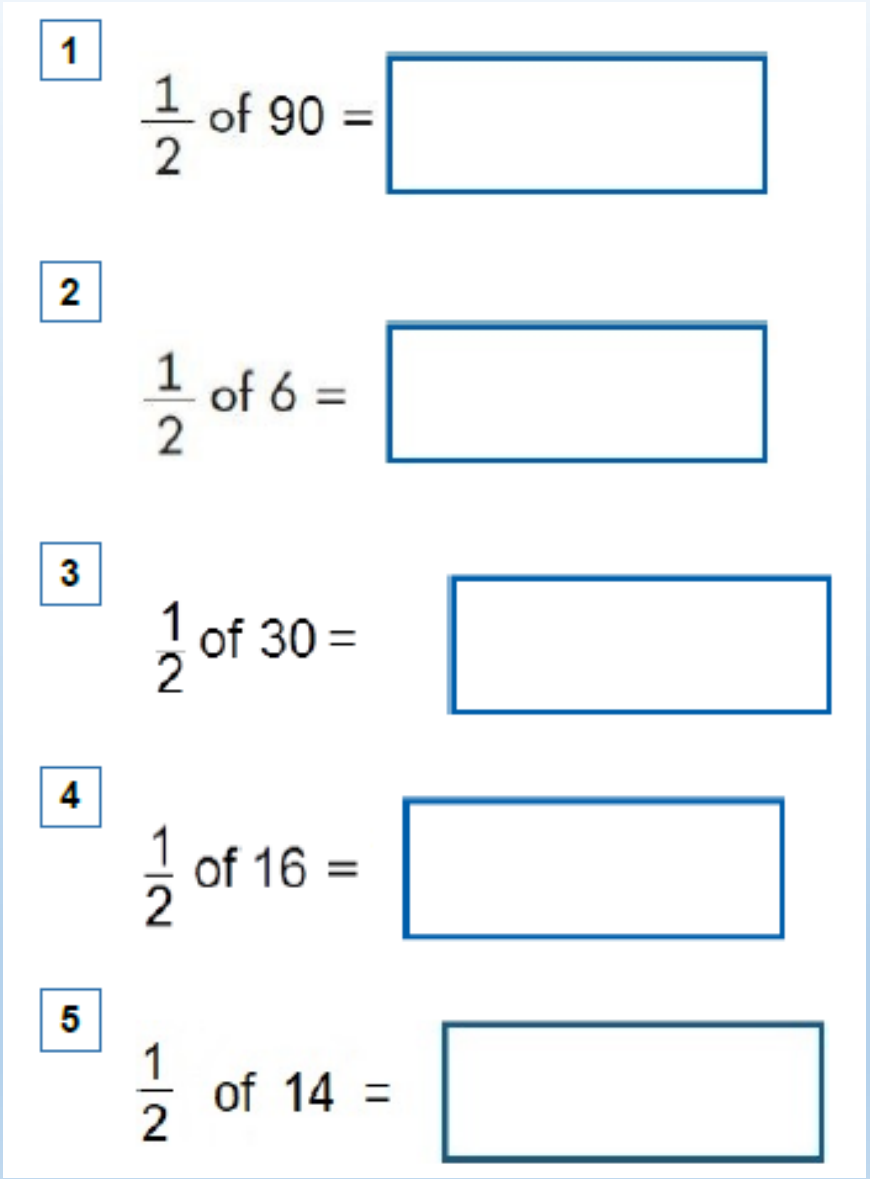
Plenary

Sarah is asked to shade half of her shape.
This is what she shades.

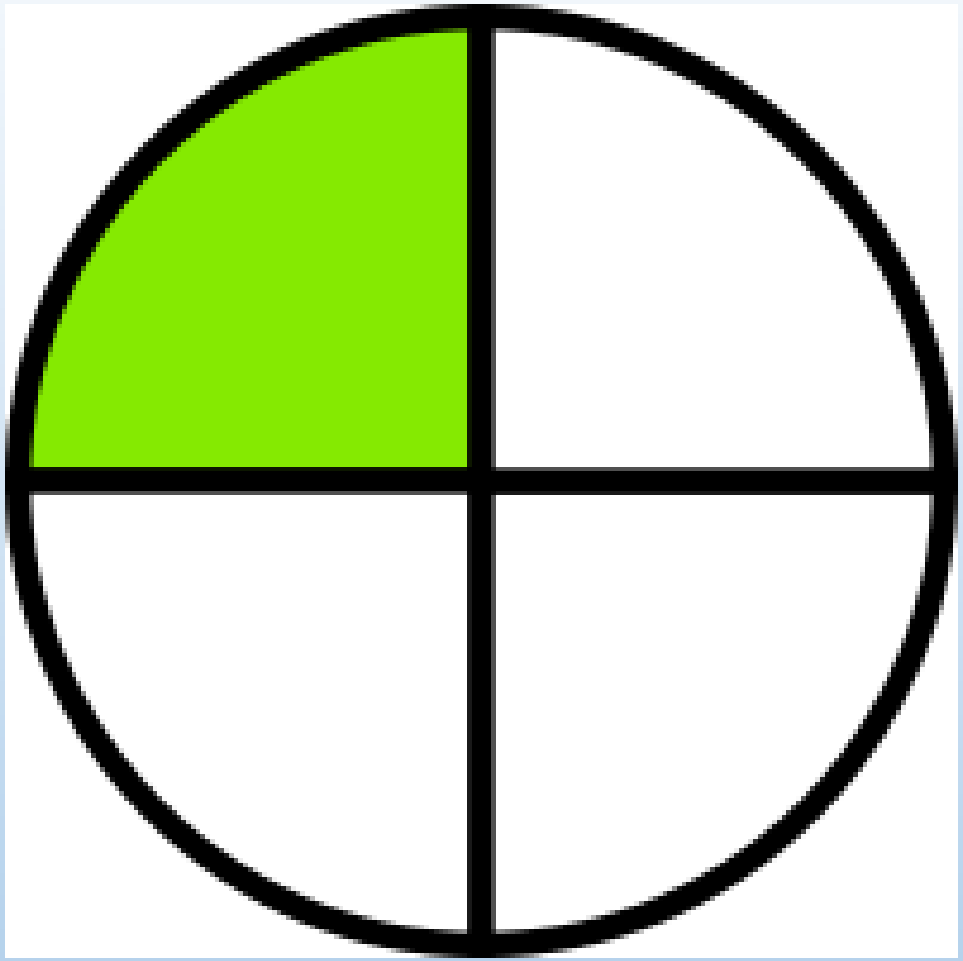


Is she correct? Explain why.

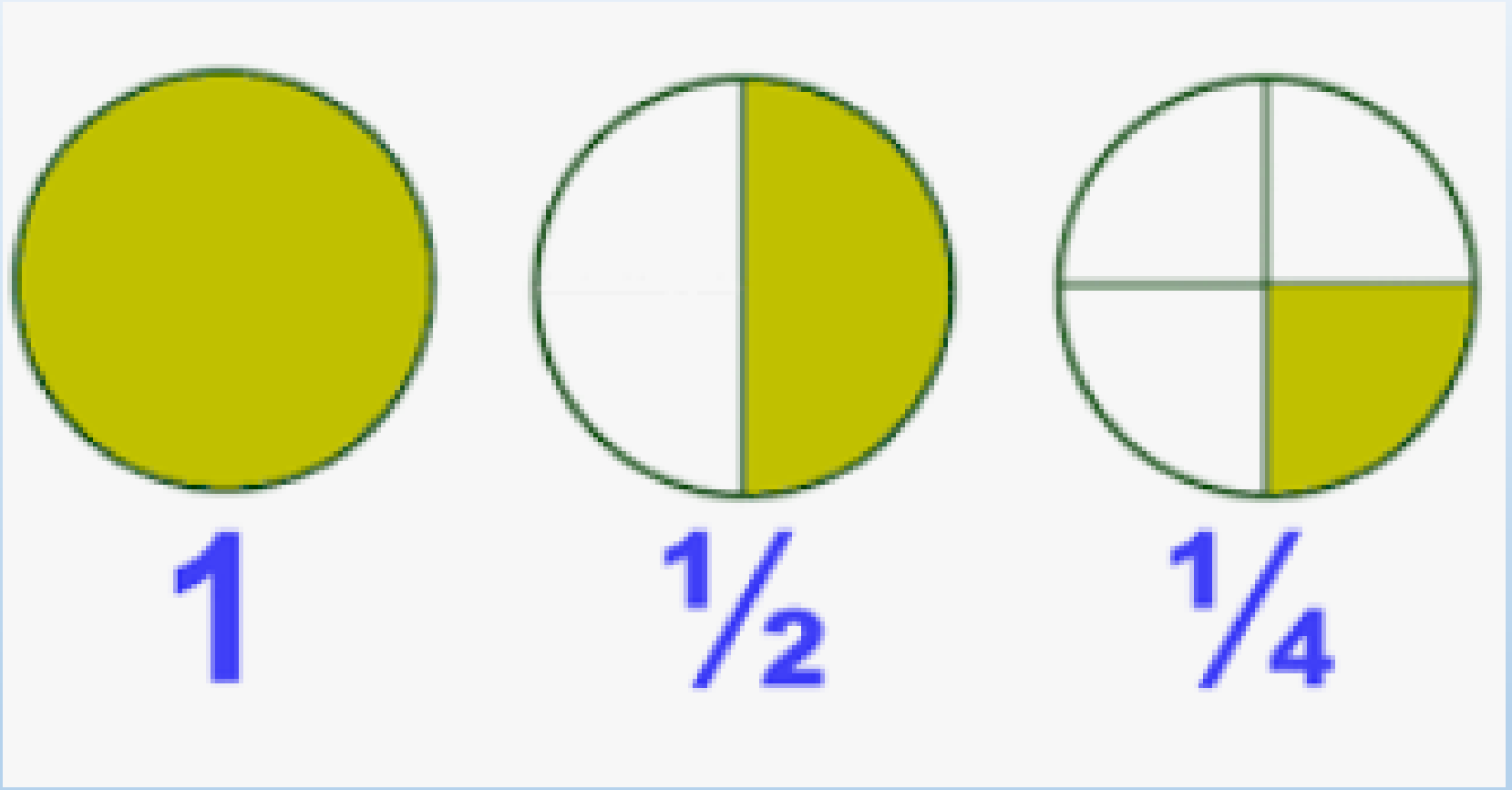
Session 4

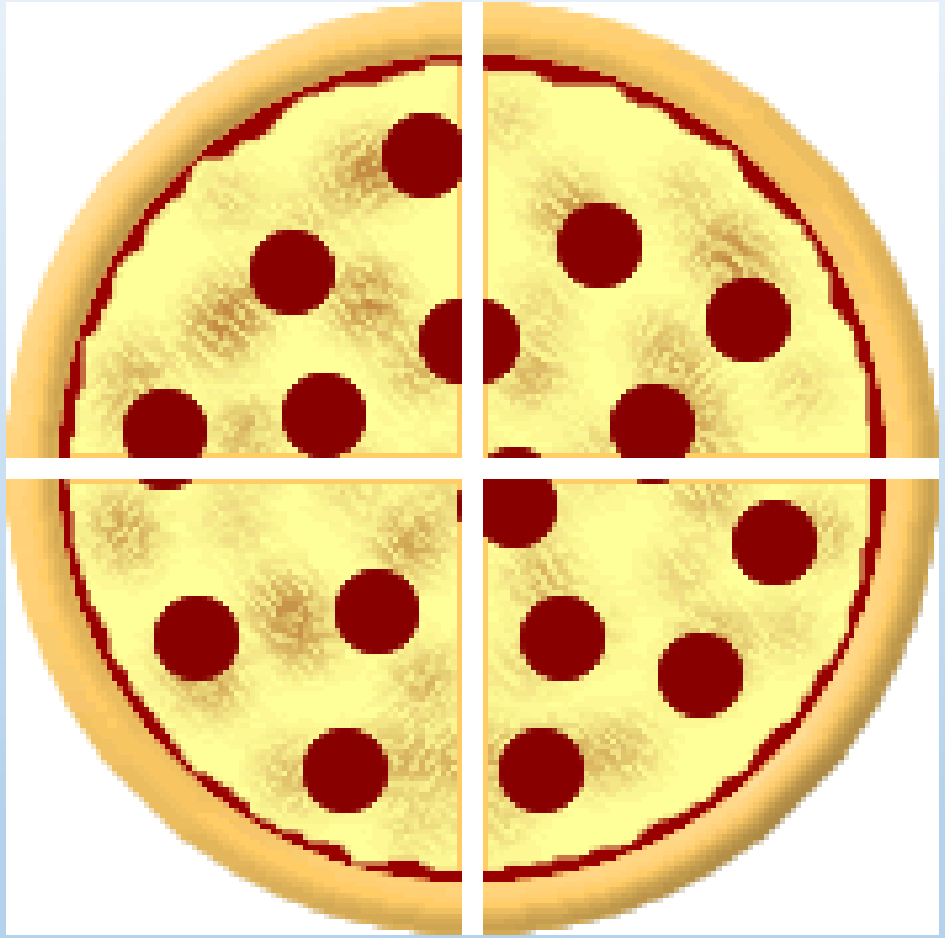

1
$\frac{1}{2}$ of 90 =
2
$\frac{1}{2}$ of 6 =
3
$\frac{1}{2}$ of 30 =
4
$\frac{1}{2}$ of 16 =
5
$\frac{1}{2}$ of 14 =

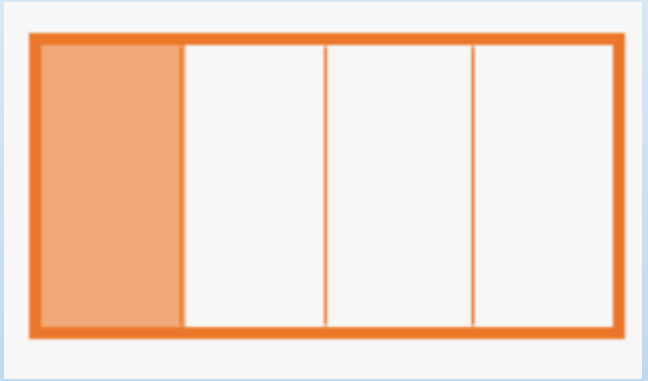
$$\frac{1}{4}$$



How many parts altogether?
How many parts shaded?

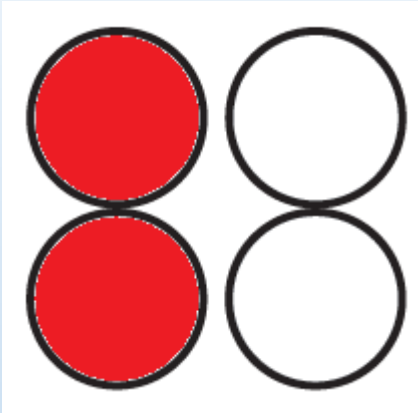

1
1/2
1/4

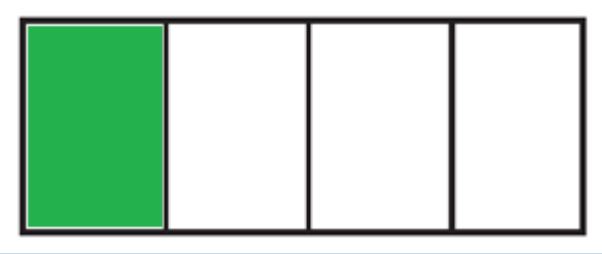


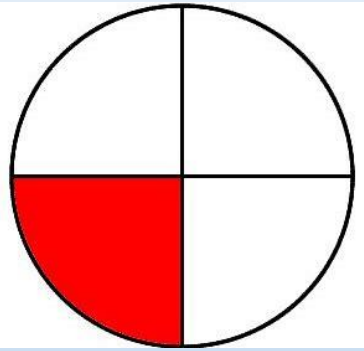


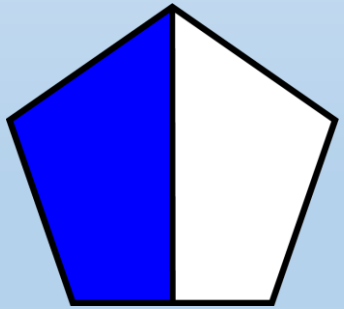
Half or Quarter?

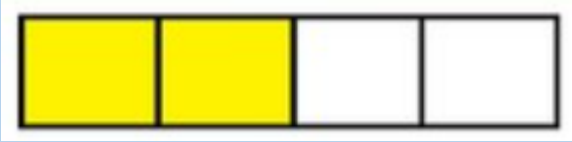
½ ¼







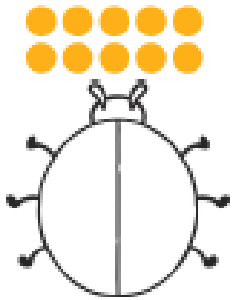




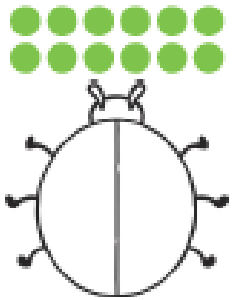
Task

Task A:

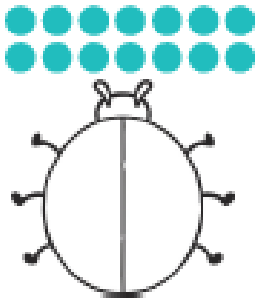
Ladybird Halving to 20



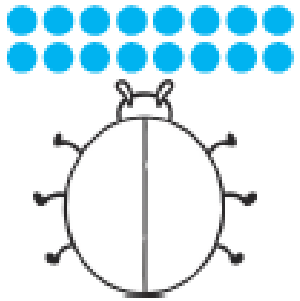
Half of 10 is _____



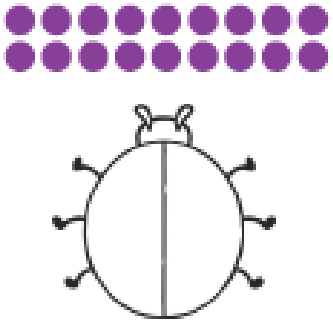
Half of 12 is _____



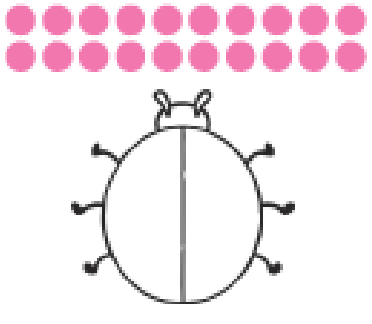
Half of 14 is _____



Half of 16 is _____



Half of 18 is _____



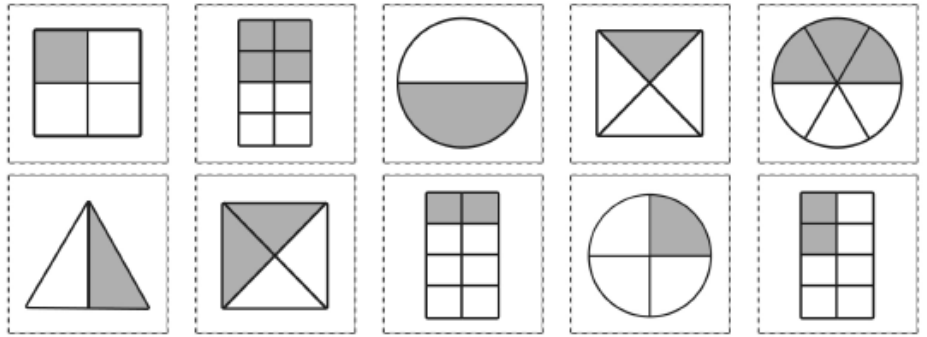
Half of 20 is _____

Task B:

Halves or Quarters Sorting

Sort the fractions into halves and quarters.

Halves	Quarters



Friday

Think about the following problem.

Lisa gets ½ of 12 sweets.

Carol gets ¼ of 16 sweets.

Who gets more sweets?

Session 5

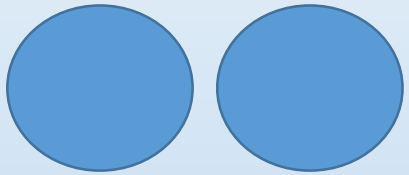
Think about the following problem.

Lisa gets ½ of 12 sweets.

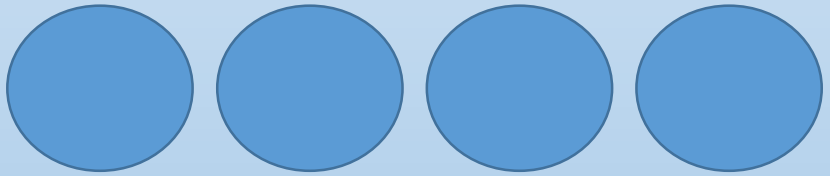
Carol gets ¼ of 16 sweets.

Who gets more sweets?

Step One: What is ½ of 12?



Step Two: What is ¼ of 16?

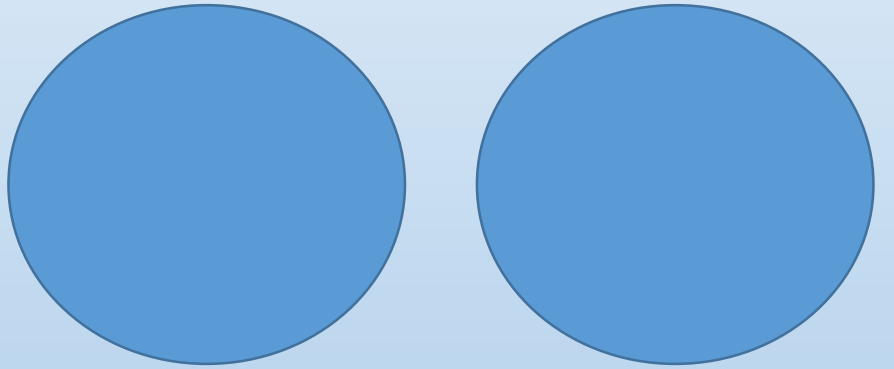


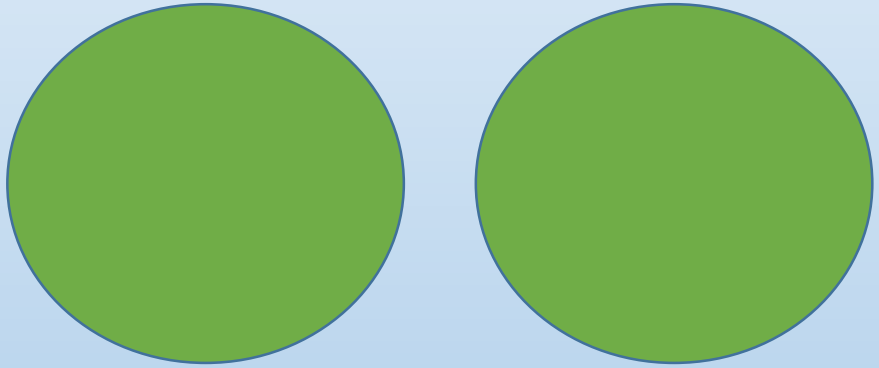
Step Three: Who has the bigger number (the problem is asking who gets **more.**)

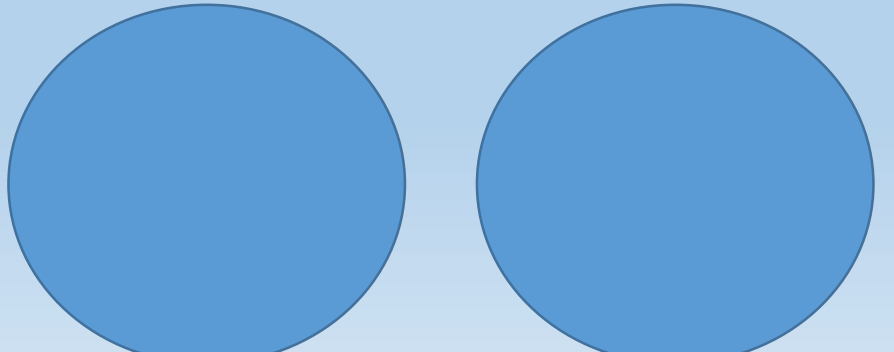
Who has more?

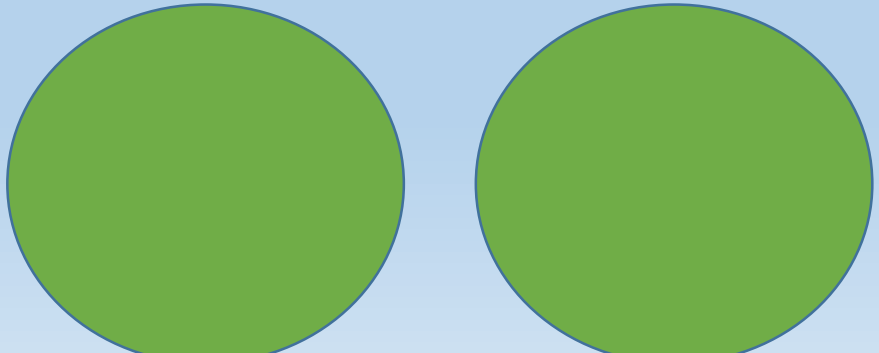
The Giant
The Giant finds 12 Golden eggs and picks up $\frac{1}{4}$ of them.

Jack
Jack finds 16 golden eggs and picks up $\frac{1}{4}$ of them.





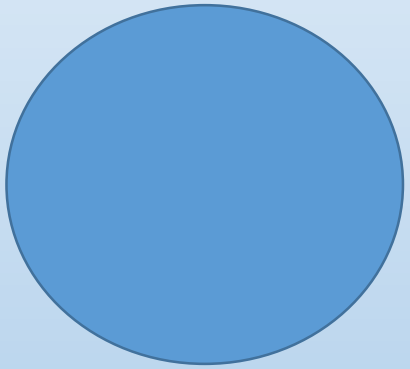
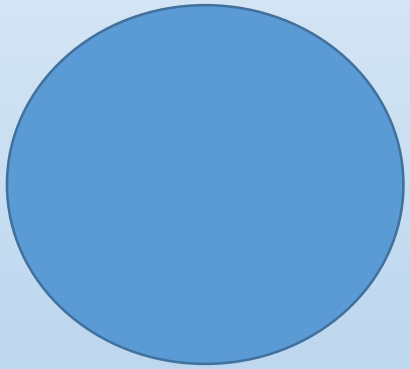
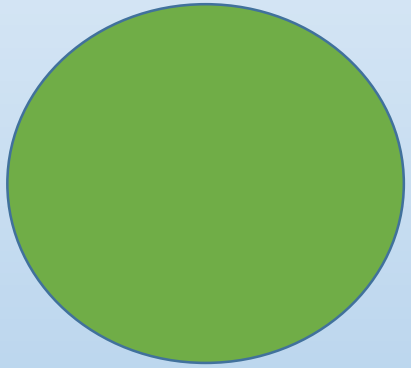
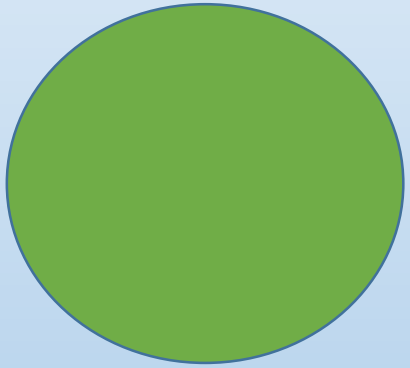
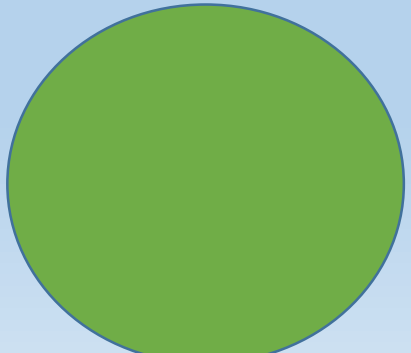
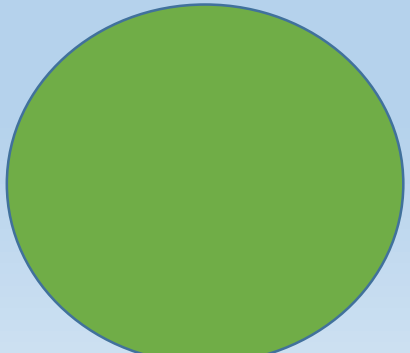




The Giant finds a beanstalk that is 40m tall and climbs half way up.

Jack finds a beanstalk that is 40m tall and climbs $\frac{1}{4}$ of the way up.

Who climbs the highest?

The Giant has 30 silver coins. He spends 1/2 of them.	Jack has 40 silver coins. He spends ¼ of them.	Who spends the most? .....