

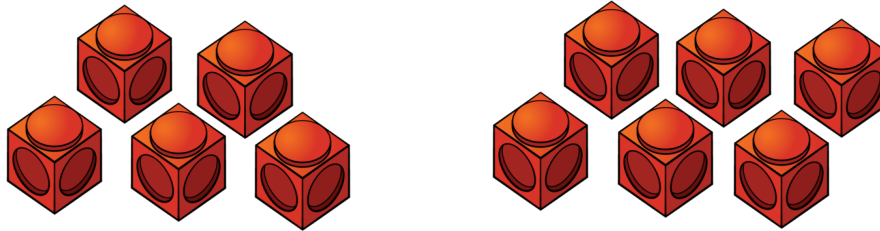
# WORKING WITH WHOLE AND PARTS



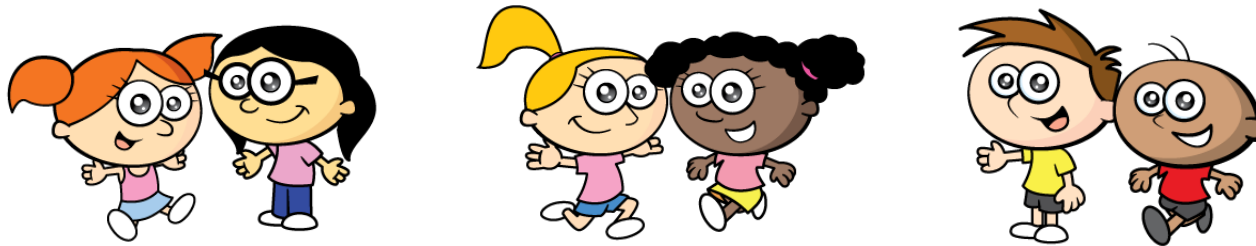
**GET READY**



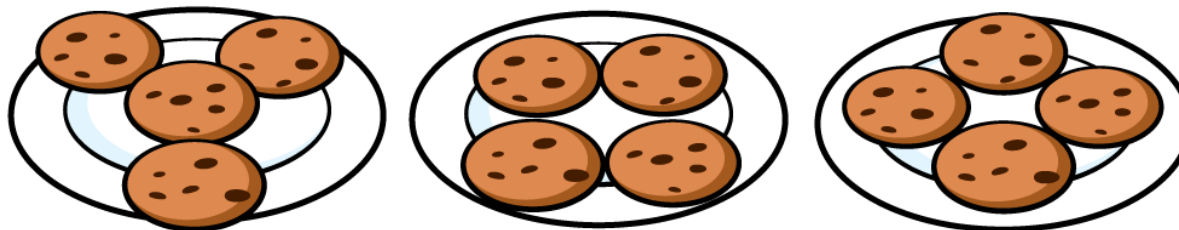
1) Are the groups equal or not equal?



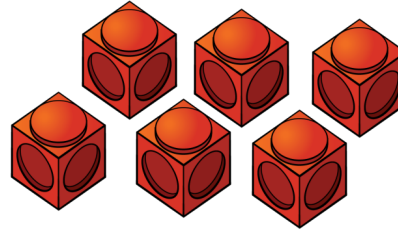
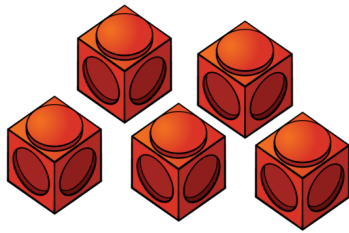
2) Are the groups equal or not equal?



3) Are the groups equal or not equal?

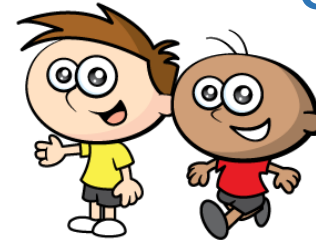
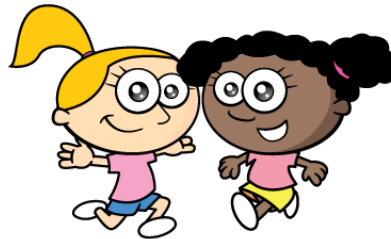
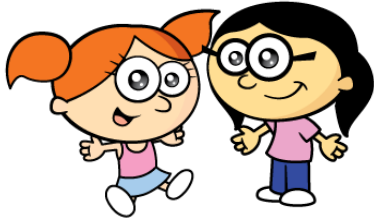


1) Are the groups equal or not equal?



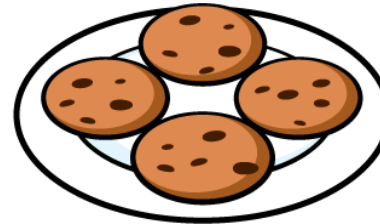
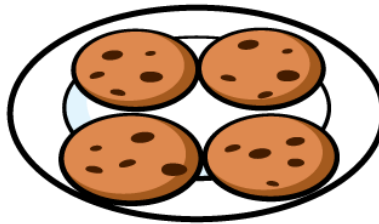
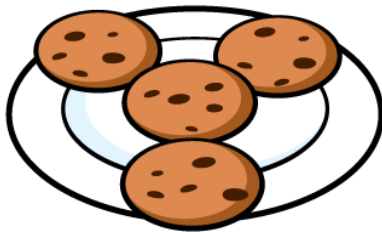
not equal

2) Are the groups equal or not equal?



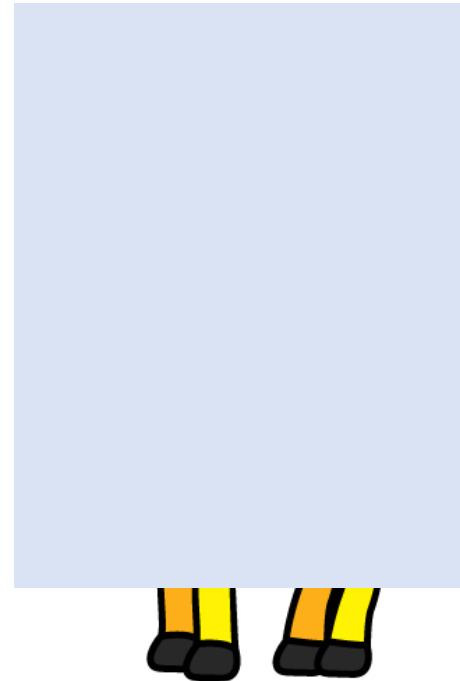
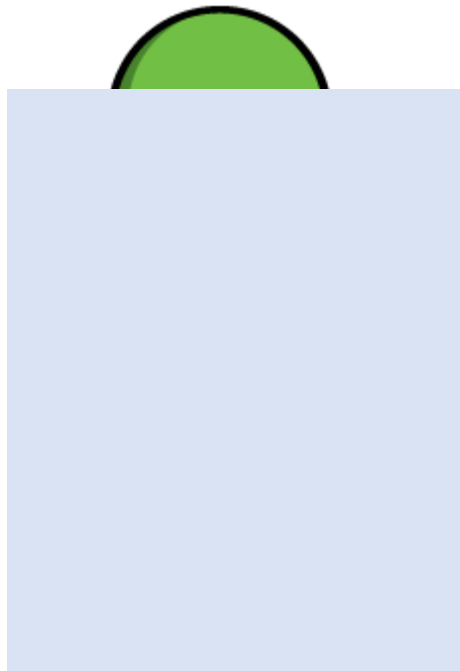
equal

3) Are the groups equal or not equal?

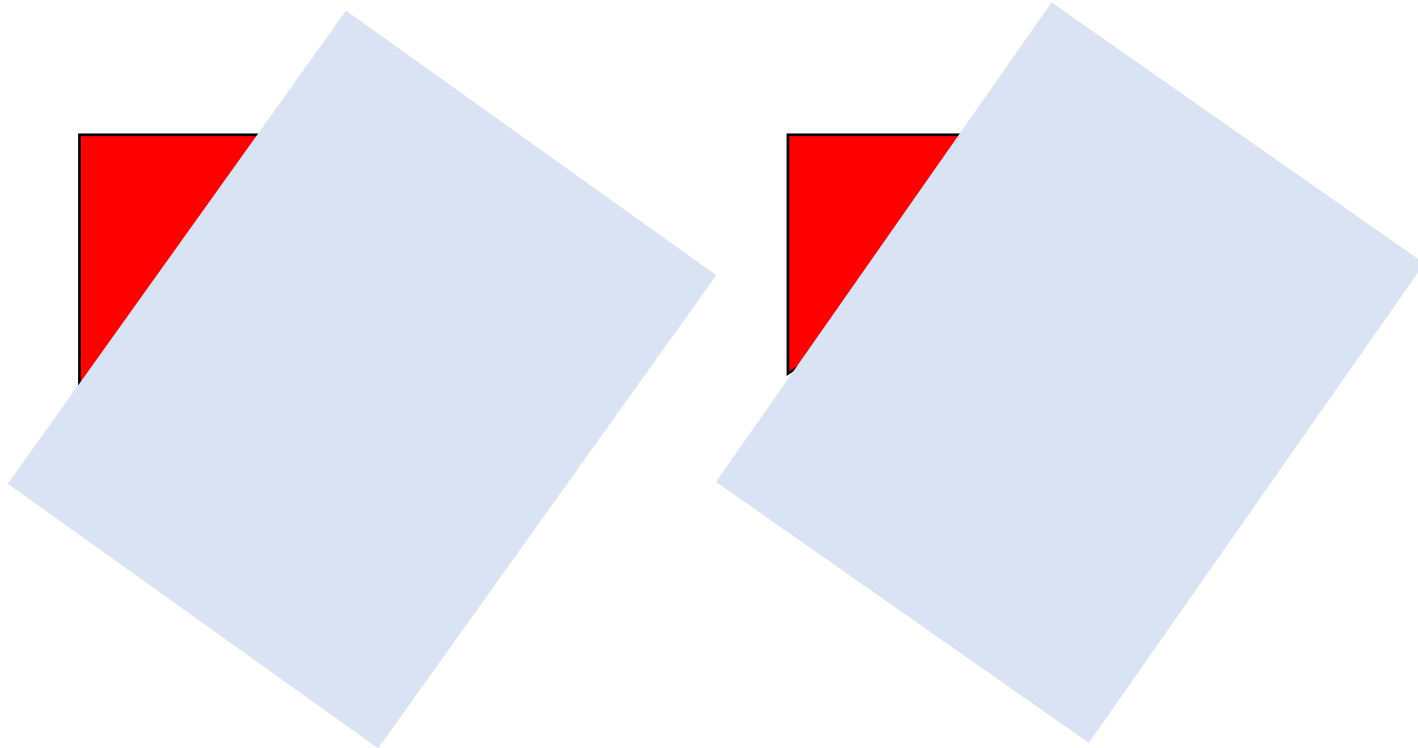


equal

Part of these pictures have been hidden.  
Can you identify the whole pictures from the  
parts you see?



Part of these red shapes have been hidden.  
Can you identify the whole shapes from the  
parts you see?



Amir and Ron each build a tower of 4 cubes.

They break their towers into 2 parts

Amir has made equal parts.

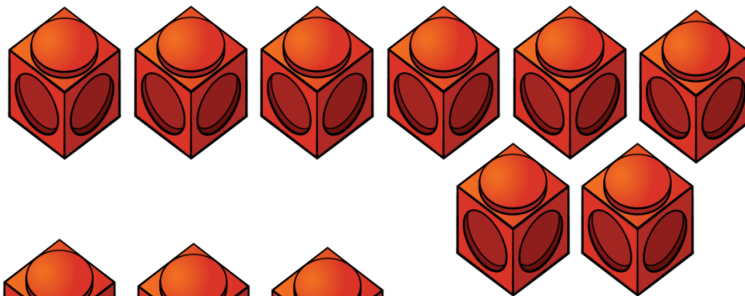
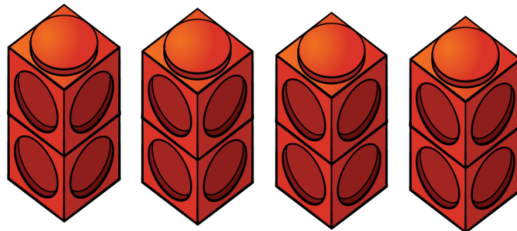
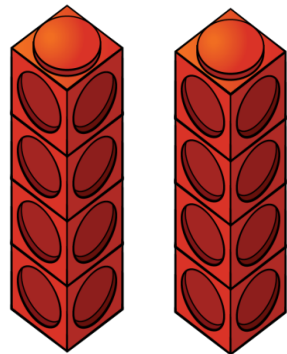


Ron has made unequal parts.

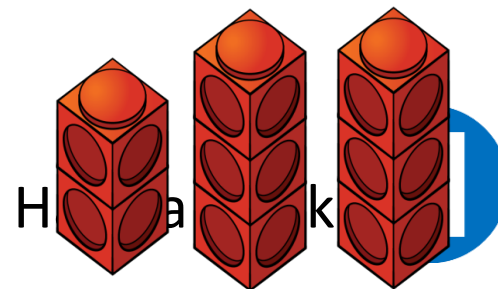
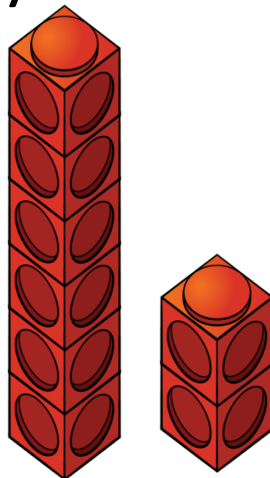
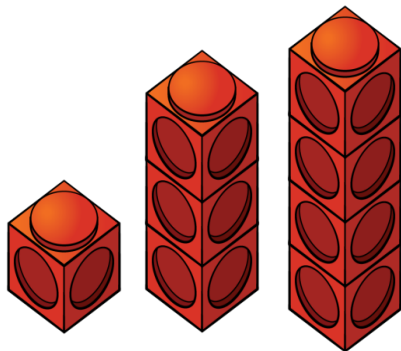


# Task 1: Build a tower of 8 cubes

How many ways can you break your tower into equal parts?



How many ways can you break your tower into unequal parts?



How many ways can you break your tower into unequal parts?

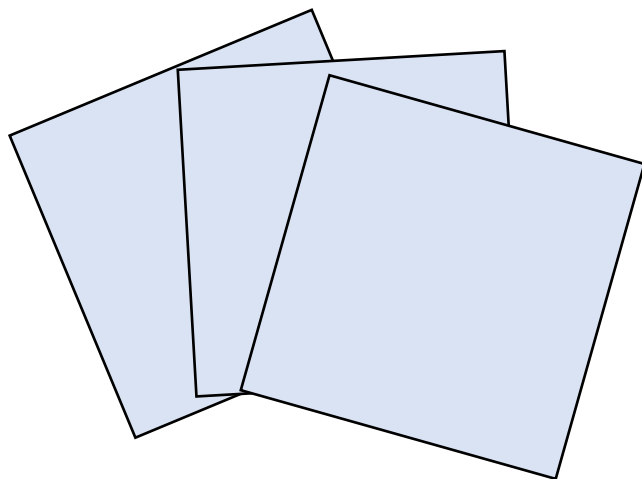






## Task 2: Equal parts

You will need some paper cut into squares.



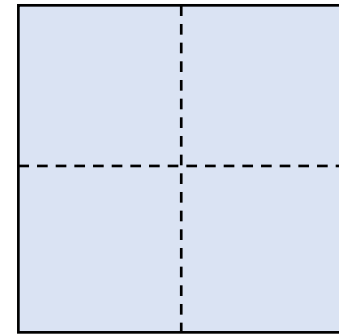
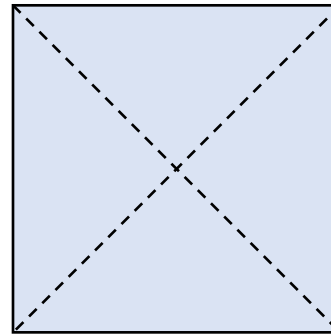
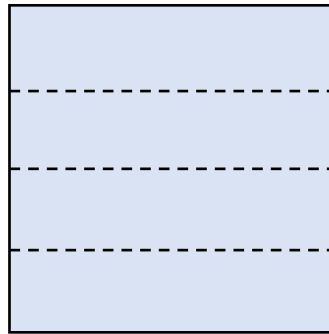
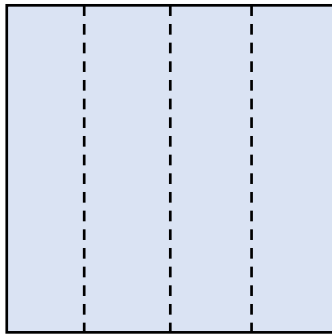
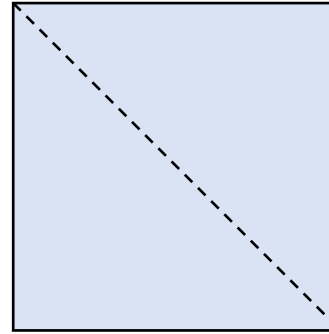
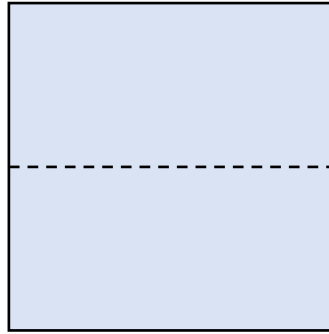
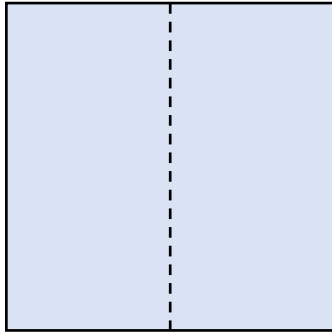
How many different ways can you fold or cut the squares into 2 equal parts?

What about 4 equal parts?

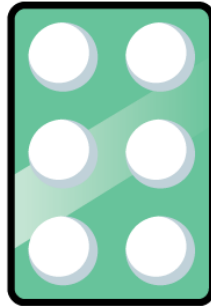
Have a think



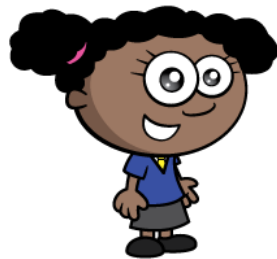
## Task 2: Equal parts



Here is a number shape 6



Whitney builds 6 again using 2 parts.

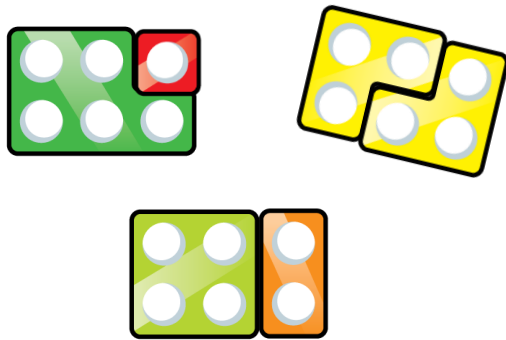


Are the parts equal or unequal?

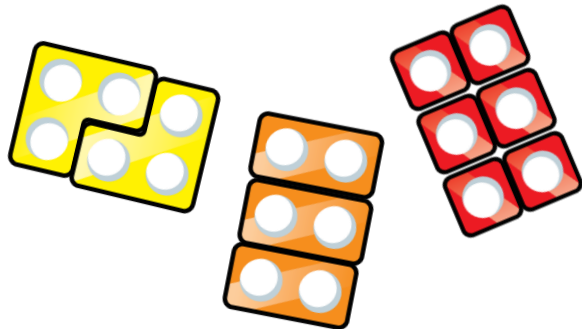
# Task 3: How many ways can you build or draw 6?



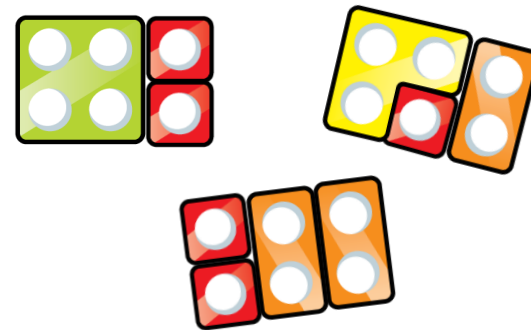
Using 2 parts



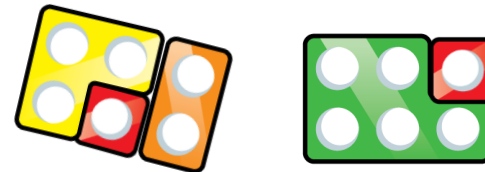
Using equal parts



Using more than 2 parts



Using unequal parts



Have a think

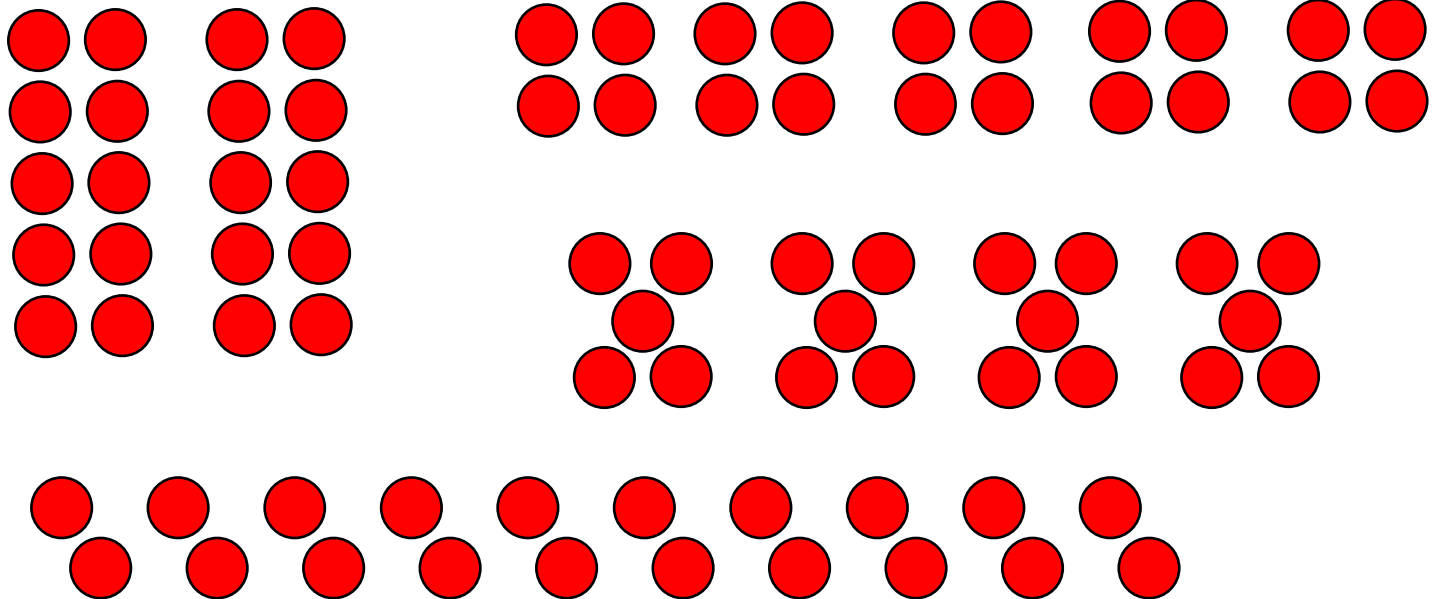


# Task 4: 20 counters

Have a think



Count out 20 counters or other small objects.  
How many different ways can you organise your  
counters into equal parts and unequal parts?



## Task 4: 20 counters

Count out 20 counters or other small objects.  
How many different ways can you organise your  
counters into equal parts and unequal parts?

