

# Math

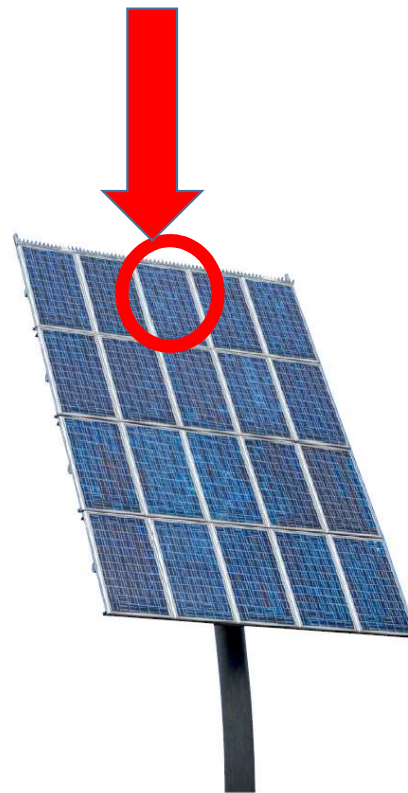
## Fractions- Solar Panels



Today we will be using the idea of solar panels to calculate fractions. Each solar panel will count as one unit. Here are some pictures of what we will be learning today

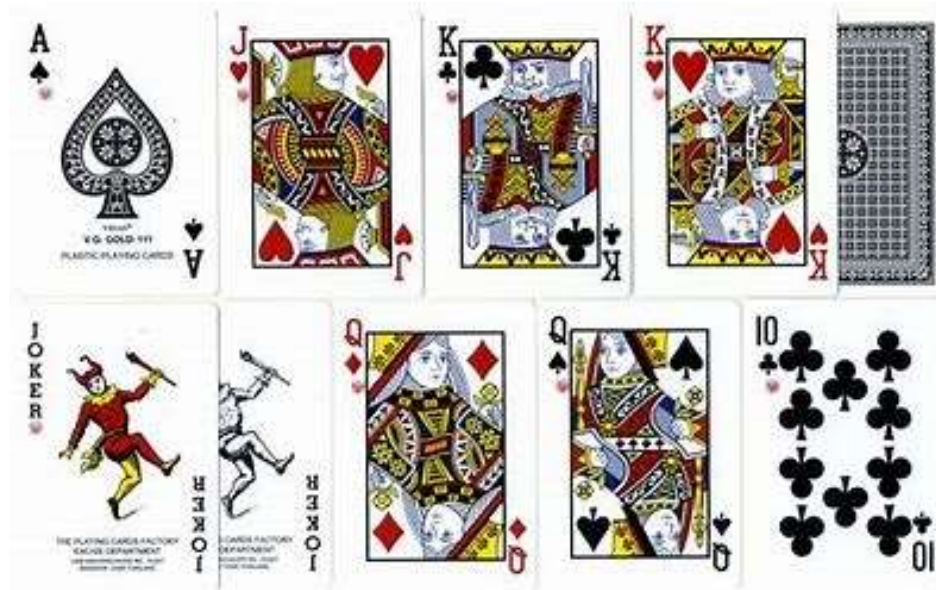


*Solar panels collect energy from the Sun.*

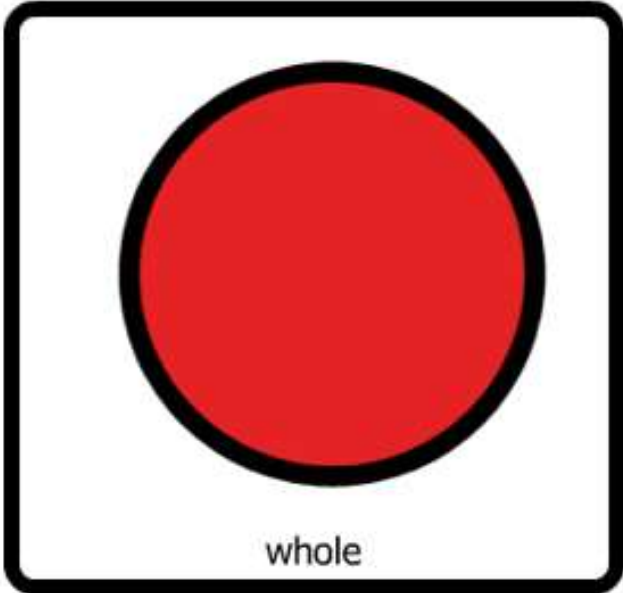
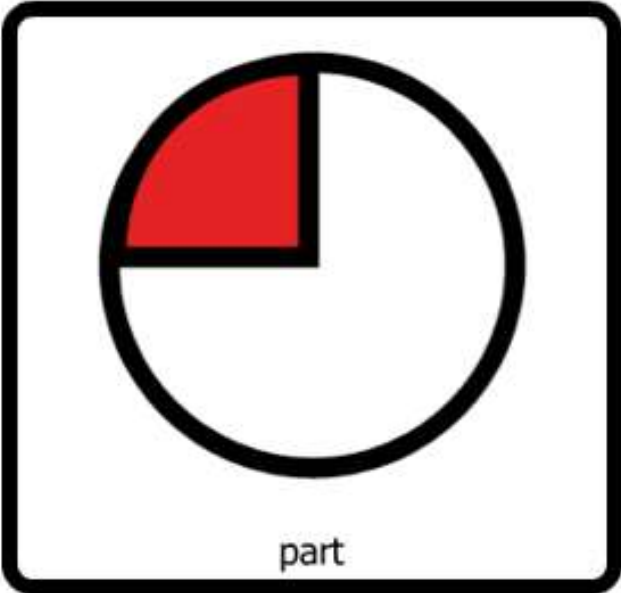


# The materials needed for this lesson are...

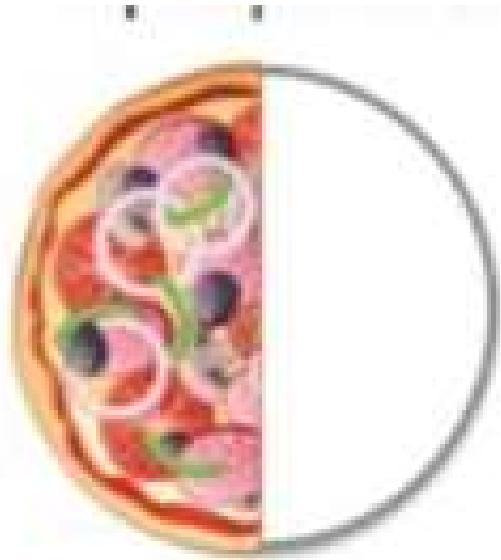
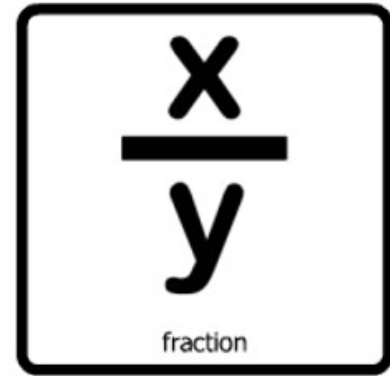
- Aluminum Foil
- Playing cards



# Today's Vocabulary



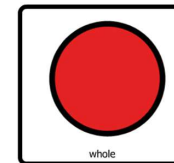
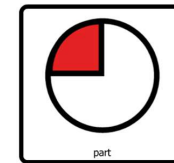
Part and whole make fractions



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

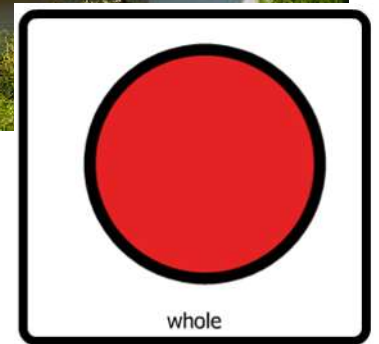
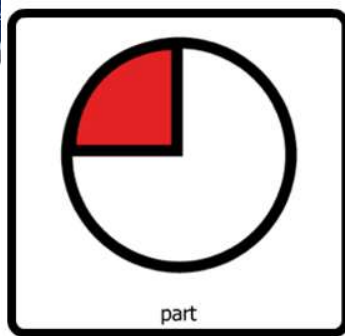
The number '1' is above a horizontal line, and the number '2' is below the line. Two arrows point from the numbers '1' and '2' towards the left.

Part  
—  
Whole

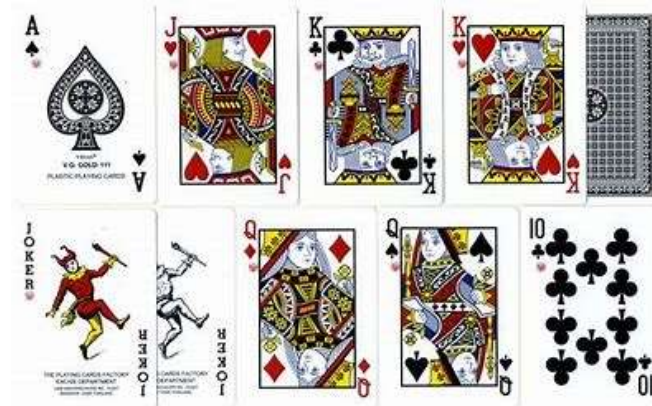




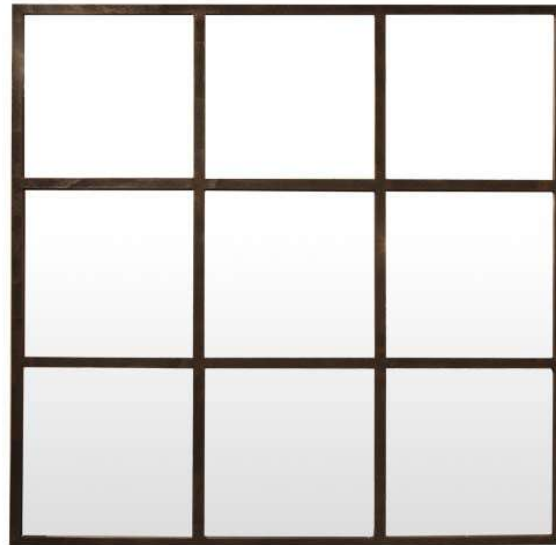
Solar panels can be put on roofs. They convert the energy from the sun into electricity for your house or building.



Activity Time: First we will Cover up playing cards with foil to make our own solar panels.

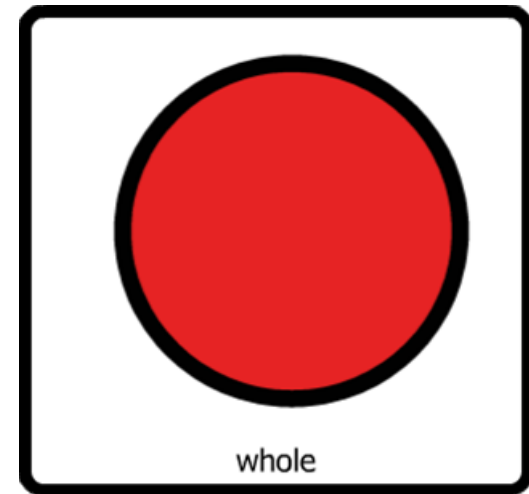
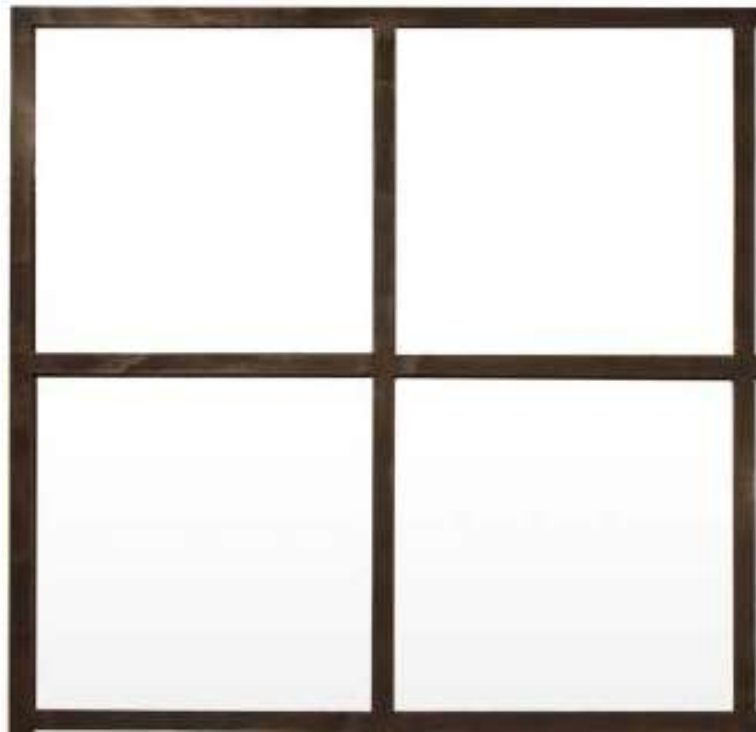


Then we will put the cards together like a puzzle to create a solar panel grid.





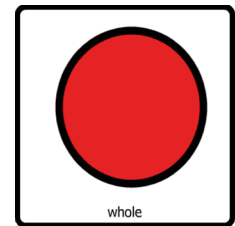
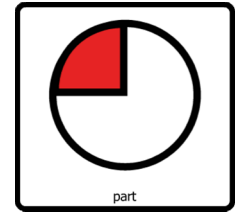
Step 1: First, let's create a **WHOLE** with 4 panels made of playing cards without foil.



Step 2: Next, let's cover one **FOURTH** of the cards with foil.



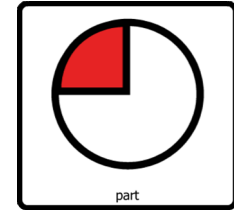
$$\frac{1}{4}$$



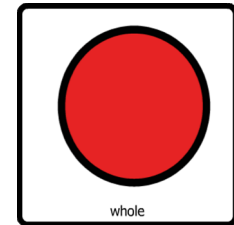
Step 3: Next, let's cover **HALF** of the cards with foil.



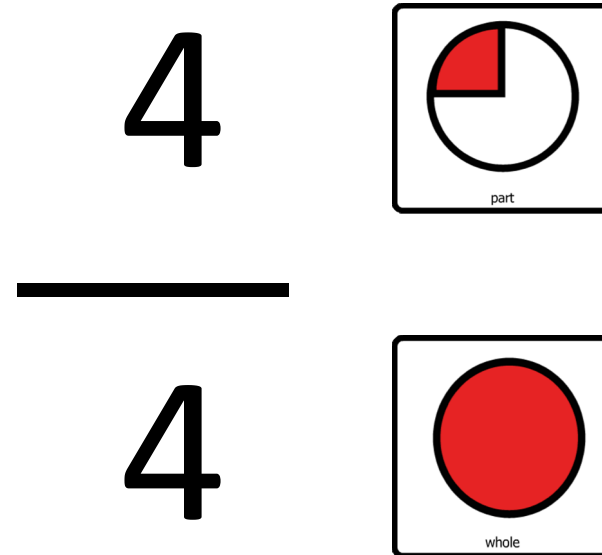
2



4



Step 4: Last, let's cover the **WHOLE** grid with foil.



Today we used solar panels to make fractions.



Solar panels collect energy from the Sun.

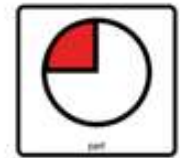
$$\frac{1}{2}$$

←

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Part

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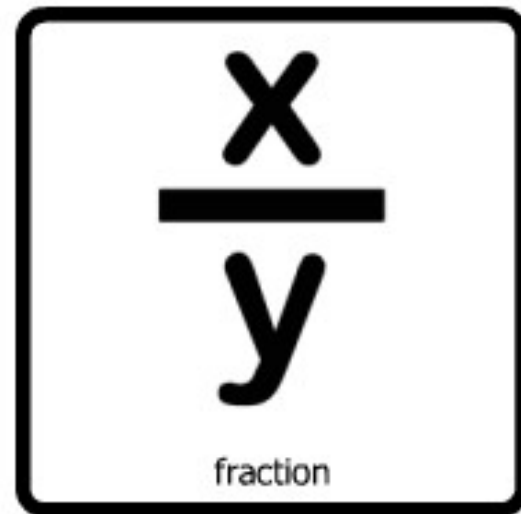


Whole



# Quiz Questions about today's lesson:

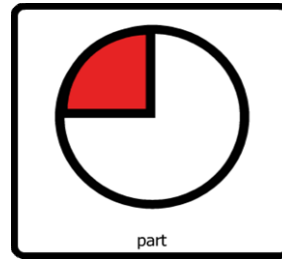
- What did we make using parts and wholes?





# Quiz Questions about today's lesson:

- Which picture shows a part?



# We are ALL DONE!

- Teacher says “\_\_\_\_\_ is All Done! Time for \_\_\_\_\_!”
- Teacher says “Everyone check schedule!”
- Teacher changes the classroom schedule.
- Paras will assist individual students with checking schedules.

