

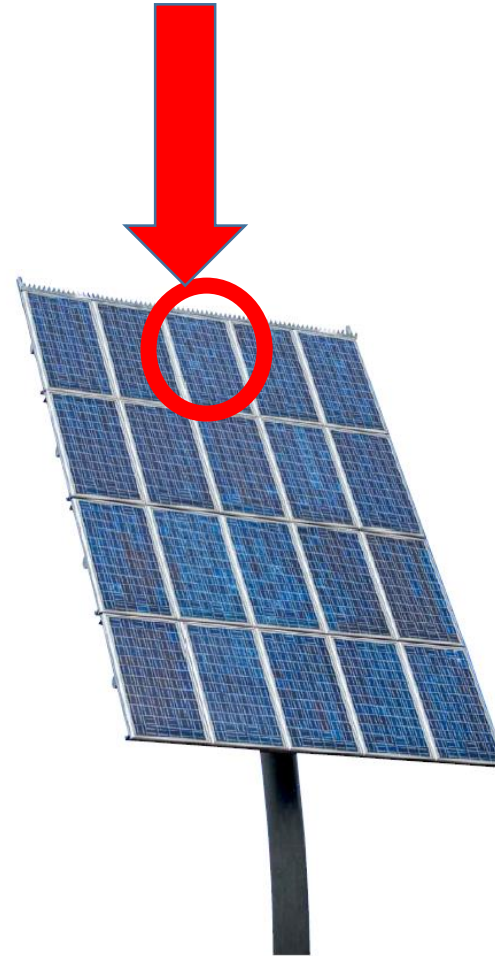
Math

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

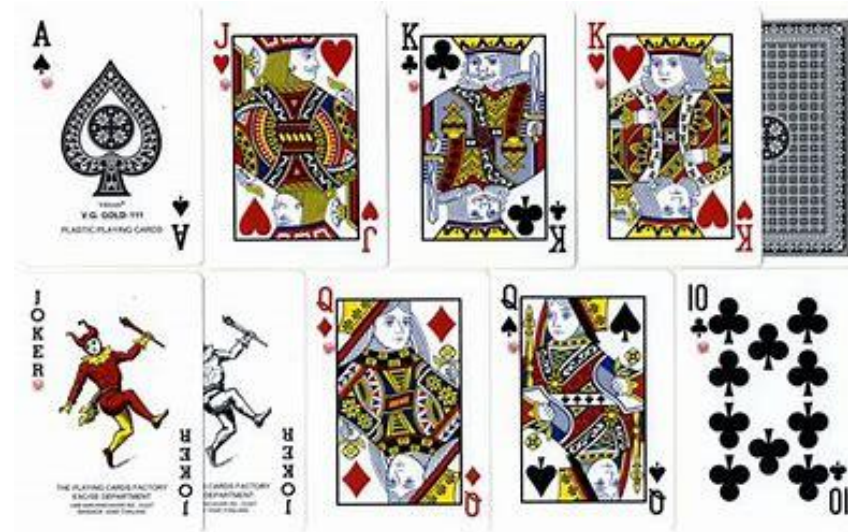


Solar panels collect energy from the Sun.

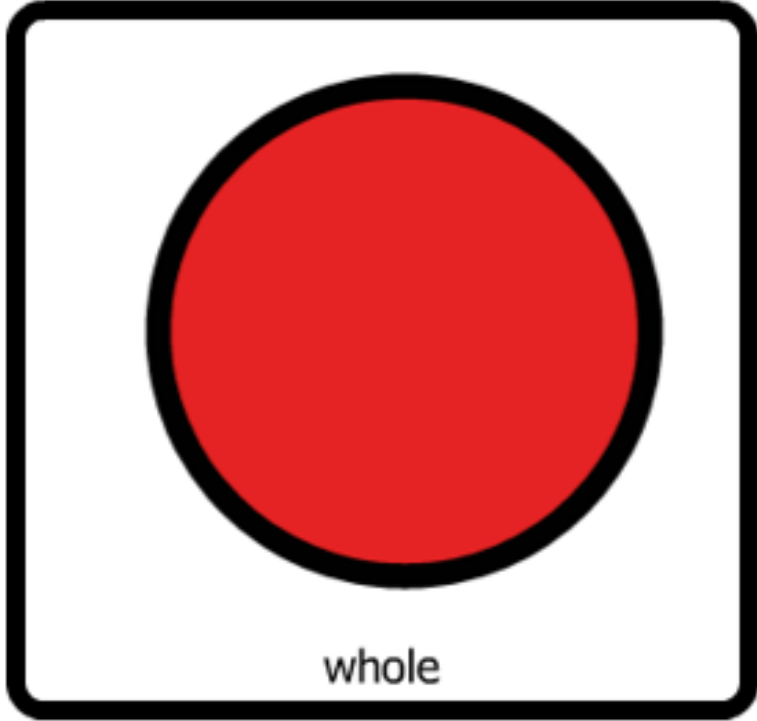
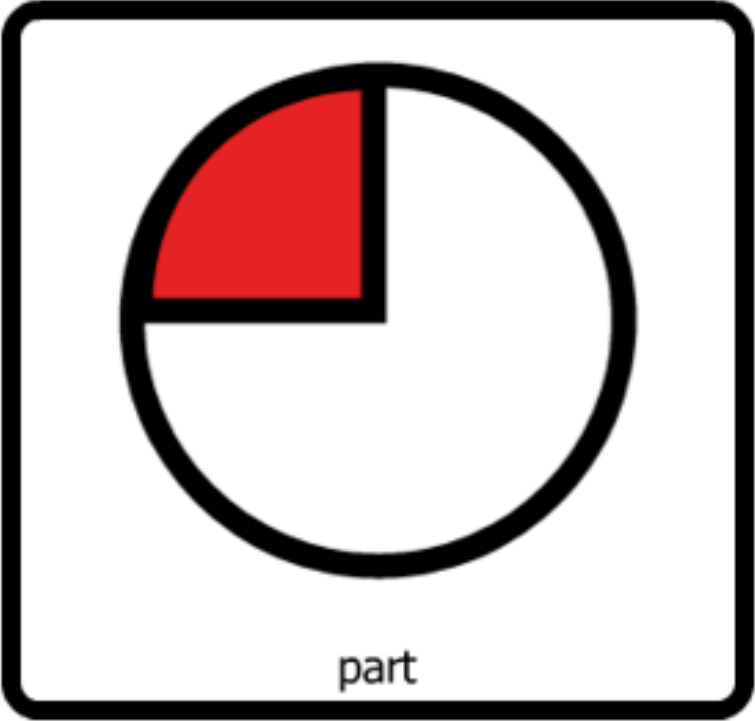


The materials needed for this lesson are...

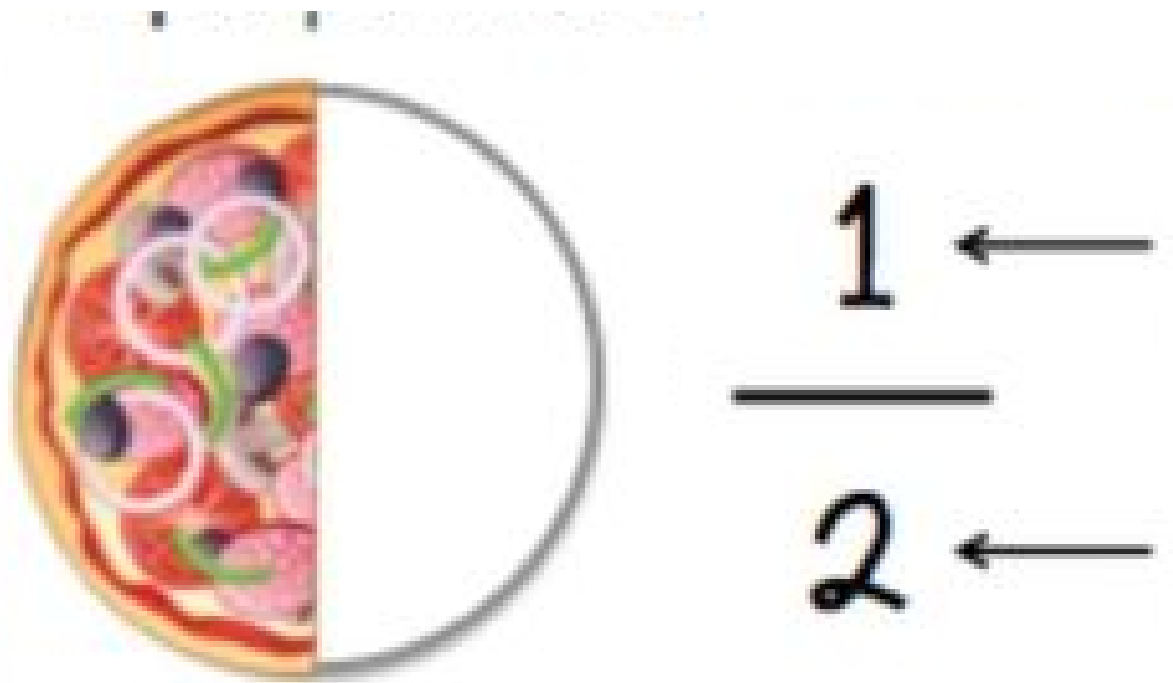
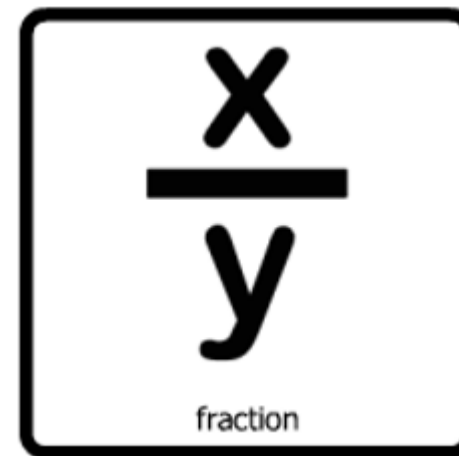
- Foil
- Playing cards



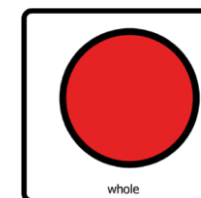
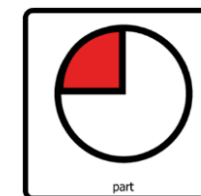
Today's Vocabulary



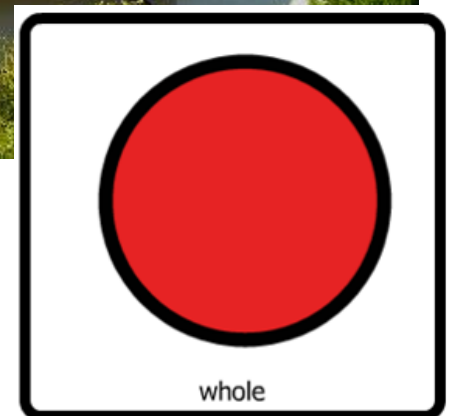
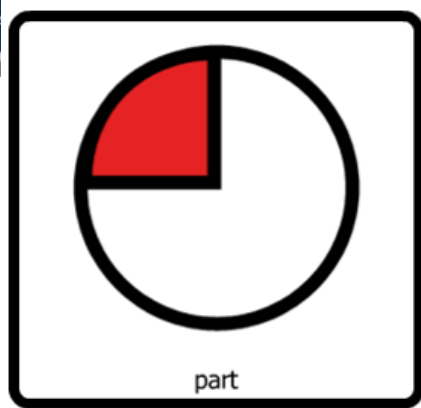
Part and whole make fractions



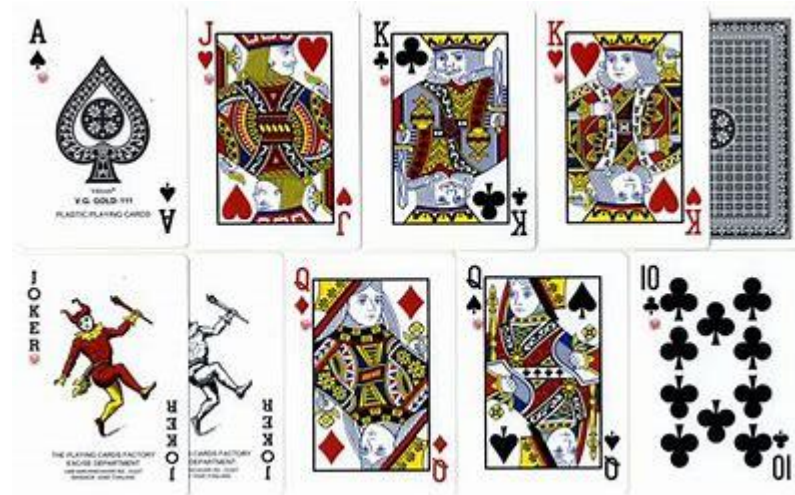
Part
—
Whole



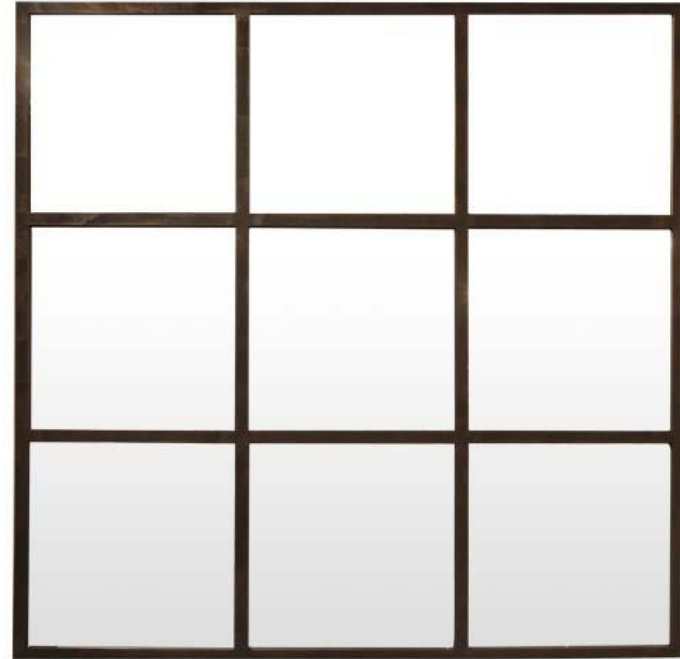
Solar panels can be put on roofs. They convert the energy from the sun into electricity for your house or building.



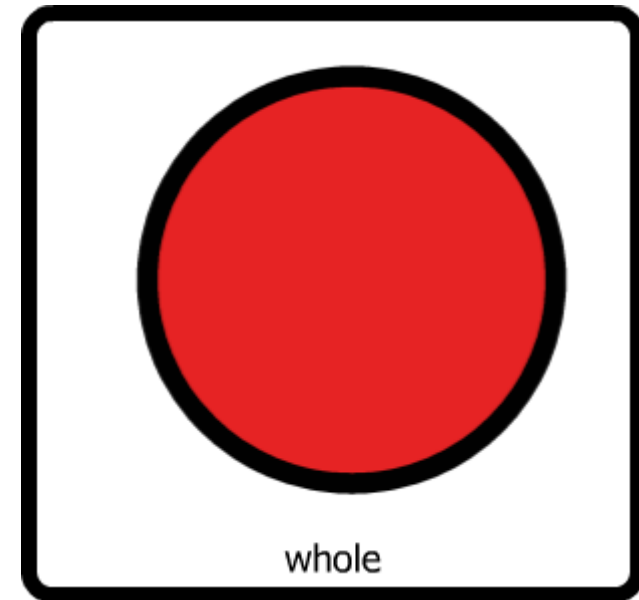
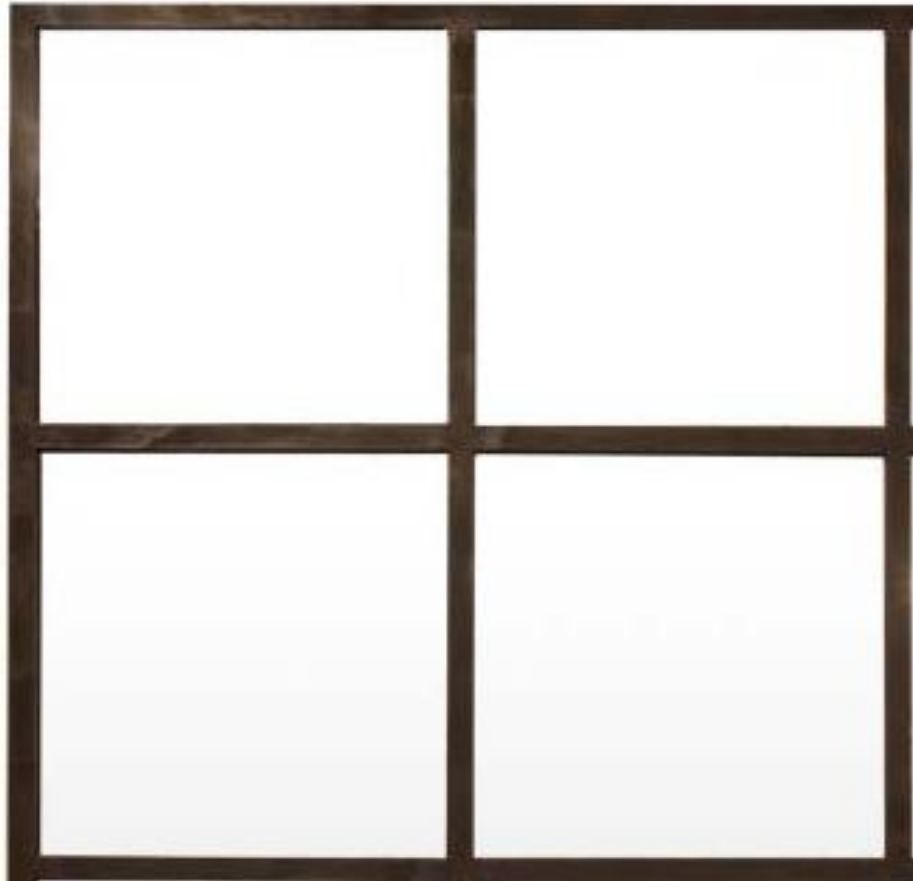
Activity Time: First we will Cover up playing cards with foil to make our own solar panels.



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



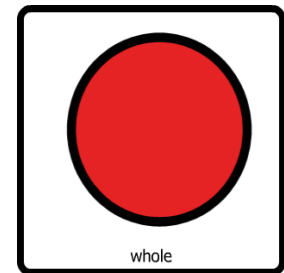
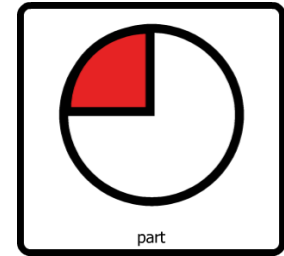
Step 1: First, let's create a **WHOLE** with 4 panels made of playing cards without foil.



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



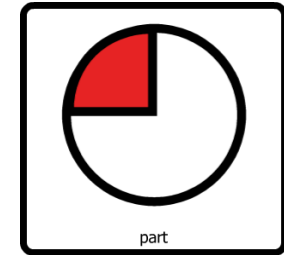
$$\frac{1}{4}$$



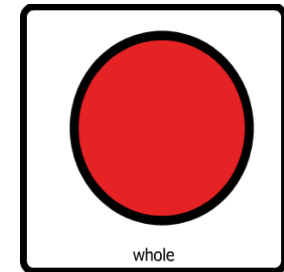
Step 3: Next, let's cover **HALF** of the cards with foil.



2



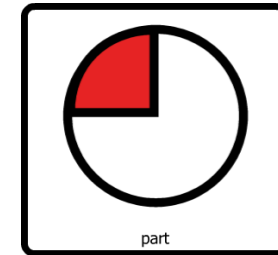
4



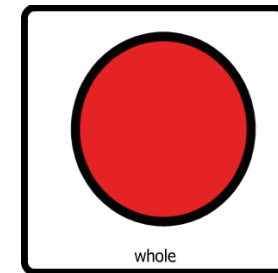
Step 4: Last, let's cover the **WHOLE** grid with foil.



4



4



Today we used solar panels to make fractions.



Solar panels collect energy from the Sun.

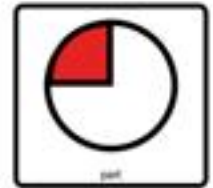
$$\frac{1}{2}$$

←

←

Part

Whole



Quiz Questions about today's lesson:

- What did we make using parts and wholes?



soup



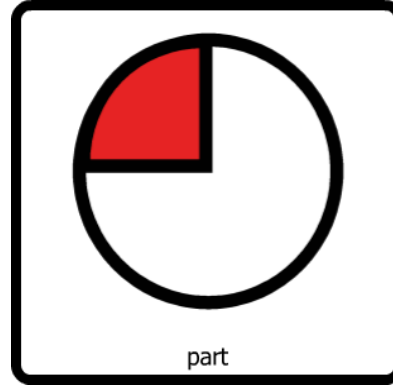
painting



fraction

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.

