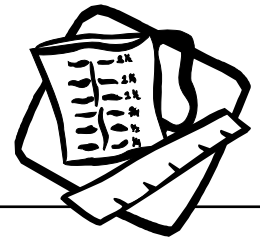


# Equal Sharing Game



Earn points by making sure everybody gets an equal share of a food.

## What you need

Special playing cards (copied and cut out)  
Objects to manipulate (beans, square pieces of paper, etc.)  
Cut outs of food items  
Paper and pencil

## What to do

1. Shuffle and set out each deck of playing cards upside down.
2. Determine who will go first.
3. Player one picks a people card and a food card.
4. Figure out how much of the food on the food card each person on the person card will get. Remember that everyone gets an equal share of food.
5. Use objects, drawings or words to prove to the other players that your answer will work.
6. When a player correctly divides the food among the people, they earn two points.
7. Other players can choose to name alternate ways of sharing to earn one extra point.
8. Take turns repeating steps 1-6.
9. The first player to earn 10 points wins!

## What to ask

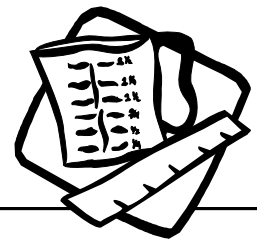
- Does that explanation make sense to you?
- Can you show me your reasoning in another way?
- How many of that size piece would it take to make a whole one?



## Did you know?

Children learn early in life about having equal shares of toys or treats. This game helps them see that sharing is related to division and fractions.





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## What's next?

- Play the game in reverse. If everyone is getting  $\frac{1}{2}$  of a brownie, then how many people could be sharing? How many brownies?
- Use the 7 people, 9 people and 10 people cards.
- Challenge each other to equally divide unusual items.

## To learn more

### The Doorbell Rang

by Pat Hutchins

The children in this story have to think about how to share Grandma's homemade cookies as more and more guests arrive.

### Gator Pie

by L. Matthews

Two alligators decide to share a pie by dividing it in half. They are satisfied until two more alligators come and they re-divide it. However the gators keep coming! Pretty soon there are 100 gators that have to share the pie!

## How it helps with school

### Texas PreKindergarten Curriculum Guidelines

Number and Operations

### Texas Essential Knowledge and Skills (TEKS) Standards

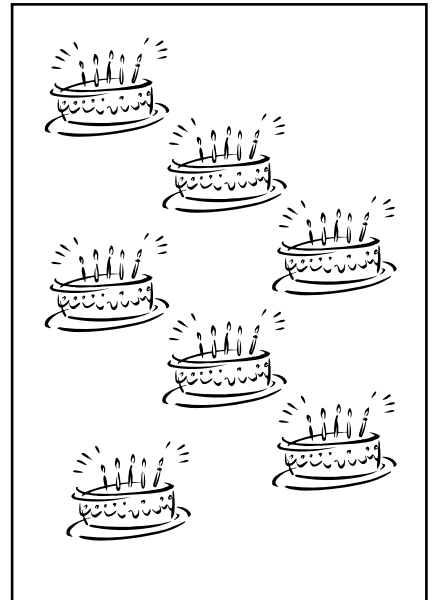
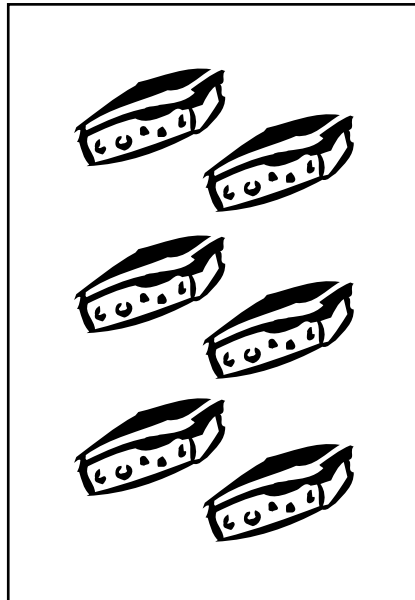
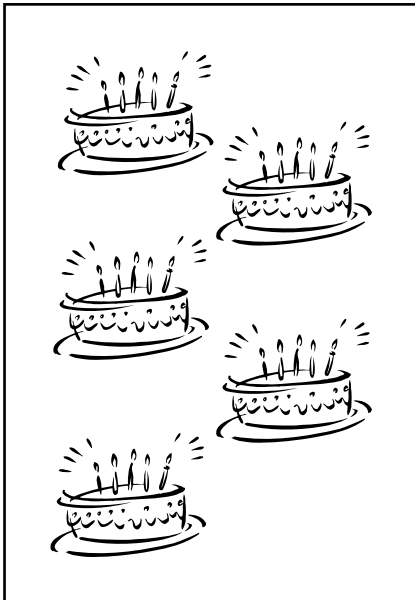
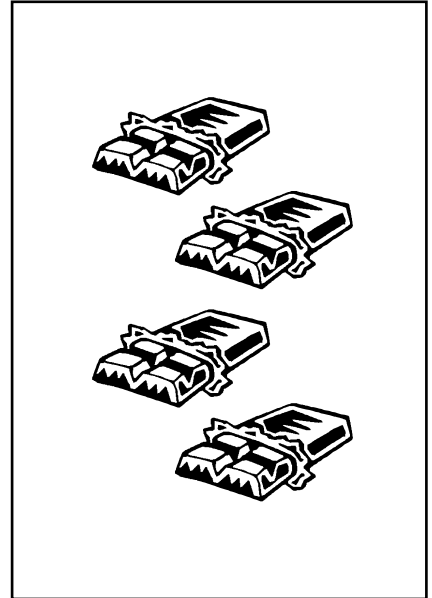
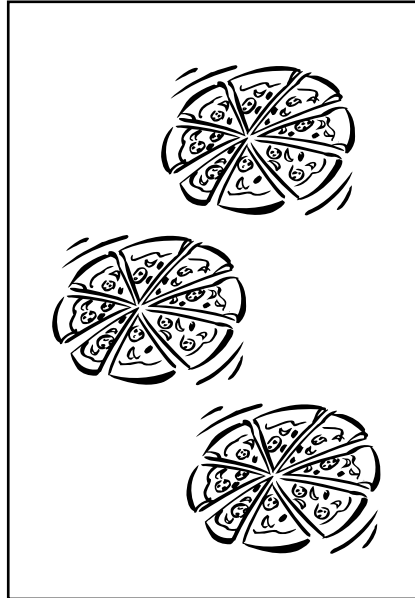
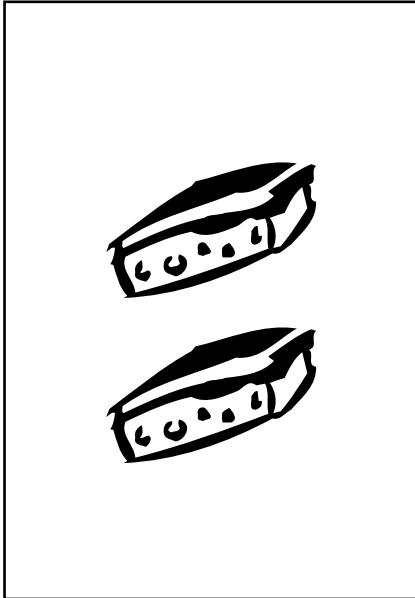
Number, Operations, and Quantitative Reasoning: K.1A-C, K.3A-B; 1.2A-B; 2.2A-B, 2.4B  
Underlying Processes and Mathematical Tools: K.13A-D, K.14A-B, K.15; 1.11A-D, 1.12A-B, 1.13; 2.12A-D, 2.13A-B, 2.14

### National Council of Teachers of Mathematics (NCTM) Standards

Number and Operations, Connections, Problem Solving, Representation, Communication

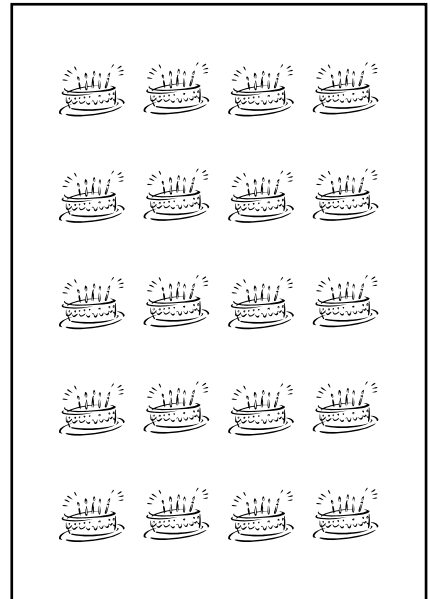
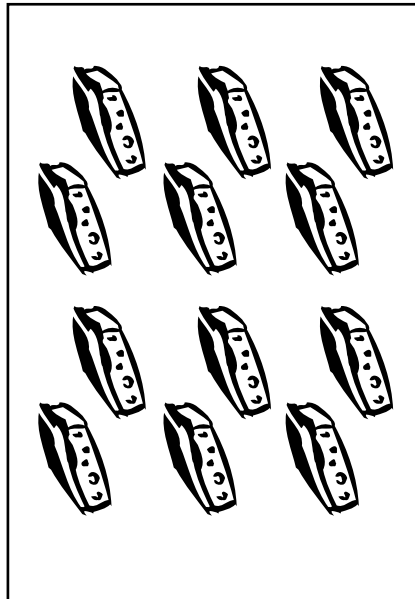
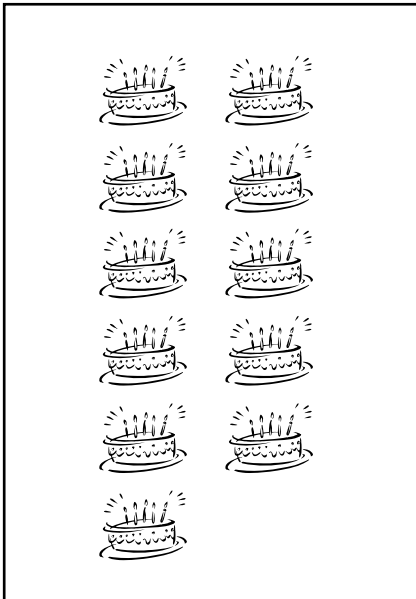
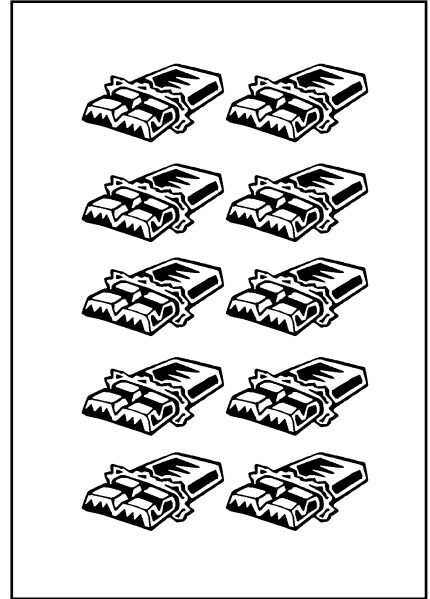
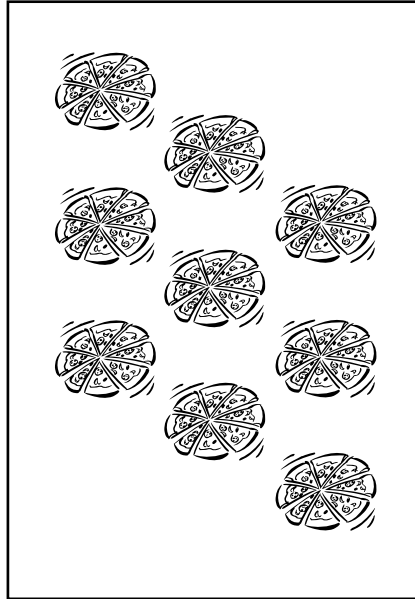
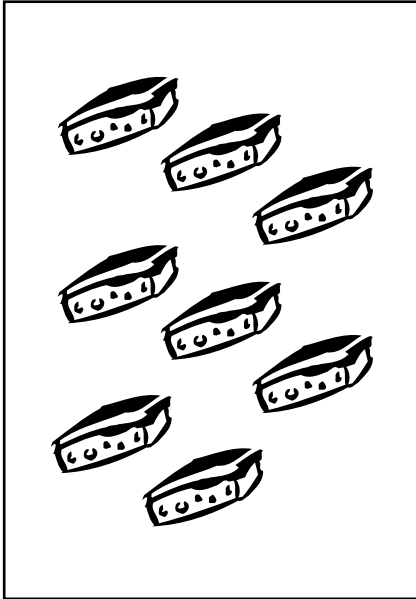
# Equal Sharing Game

## FOOD CARDS



# Equal Sharing Game

## FOOD CARDS



# Equal Sharing Game

## PEOPLE CARDS

