

Required Assignment,  
Week 2, SAGE Math,  
Grade 4

Week 4/27- 5/1



# Warm Up: Esti- Mysteries

- Try and estimate the total number of globes.
- Use the clues to help you make an educated guess.
- Once you make a guess- write down your answer and how you came up with it.
- Write down the number you think each container may have.
- It's okay if your estimate is not right (full disclosure- mine wasn't). It should just make sense with the clues given.
- Enjoy!



**What is the total number of globes?**

**As the clues appear, use the information to narrow the possibilities to a smaller set. After each clue, use estimation again to determine which of the remaining answers is the most reasonable.**

**Write down your first estimate. After each clue, you'll see if your estimate is still a possibility. After each clue, if it is no longer possible write down a new estimate – and be prepared to explain why you chose it.**





**Clue #1**

The number in the glass on the left includes the digit 6, but it is not a square number.

**Clue #2**

The center container has more than twice as many (but less than three times as many) as the container on the left.

**Clue #3**

The number in the center container is both a multiple of 3 and an odd number.

**Clue #4**

The number in the center container does not include the digit 6.

**Clue #5**

The difference between the number in the middle container and number in the container on the right is 4.



Your Final Estimate:

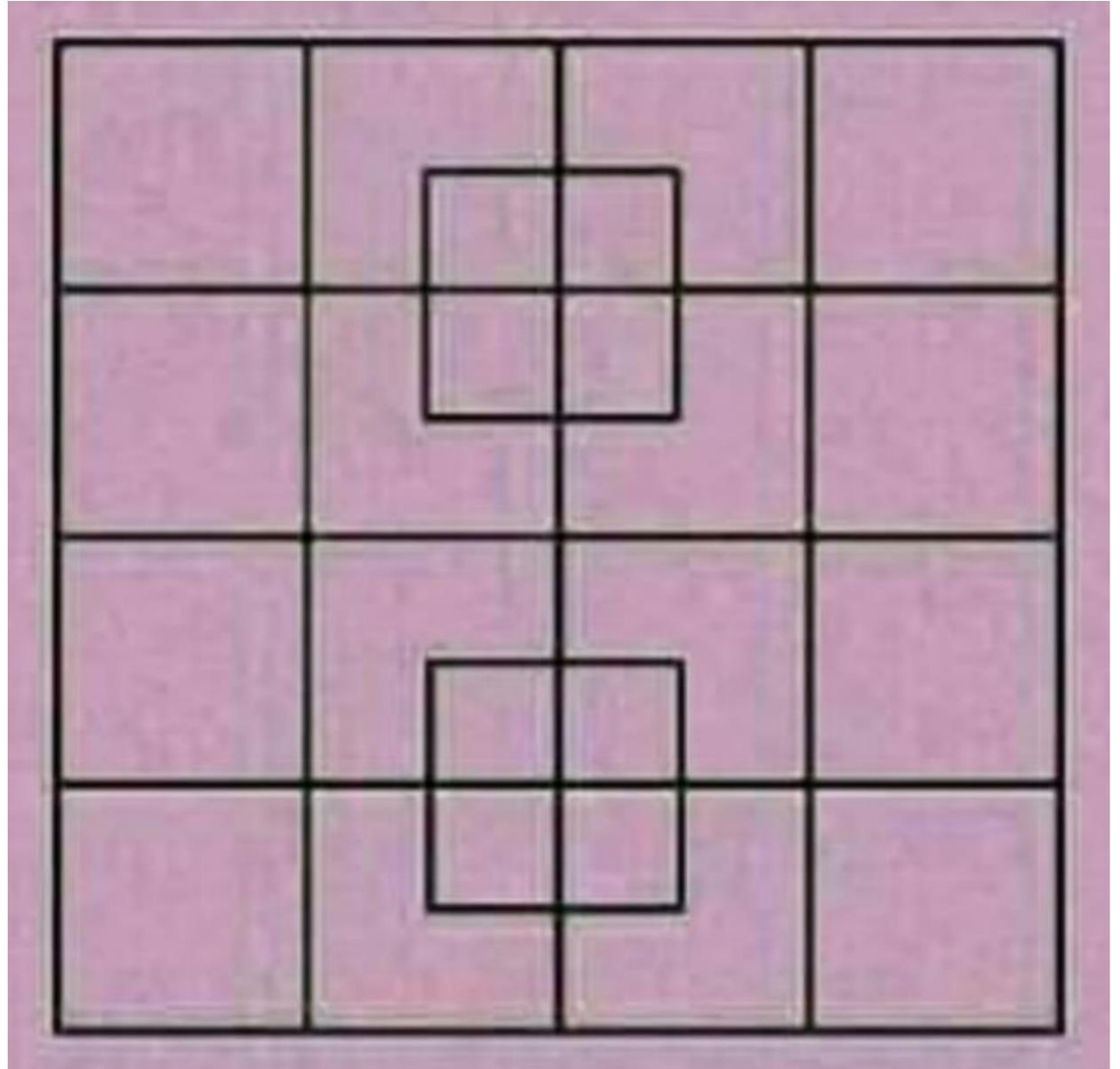
Container 1  
has \_\_\_\_\_  
globes.

Container 2  
has \_\_\_\_\_  
globes.

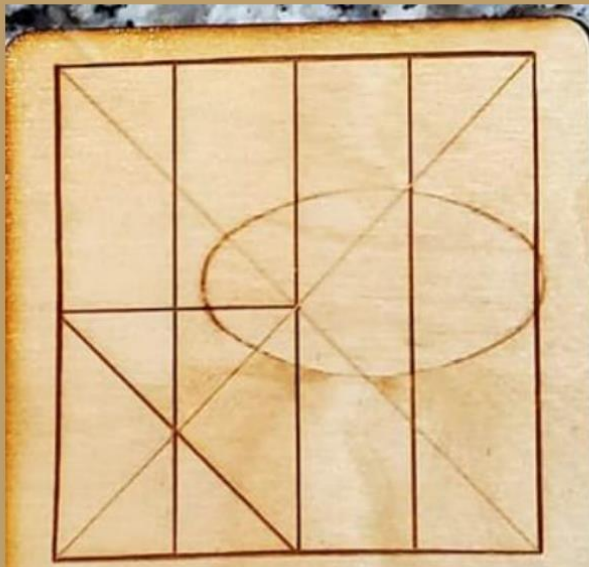
Container 3  
has \_\_\_\_\_  
globes.

# Math Exploration:

How many squares  
do you see?

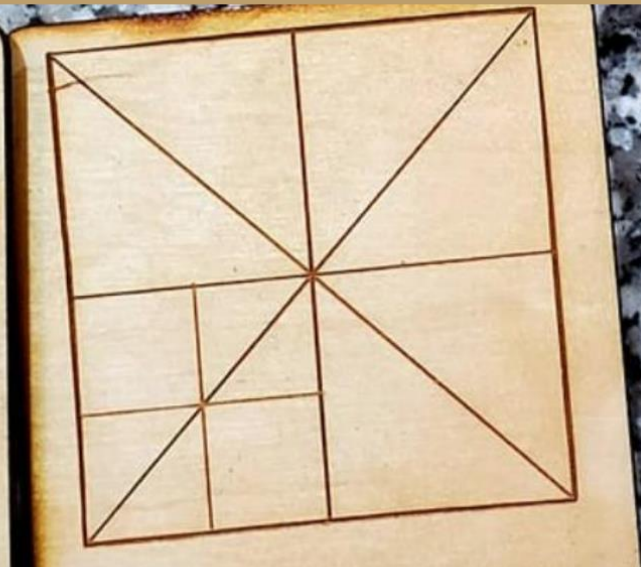






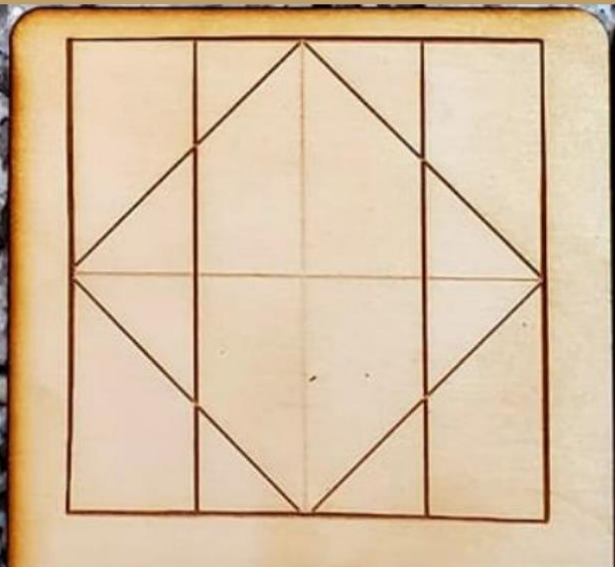
What fractions do you see?

#RDCRS



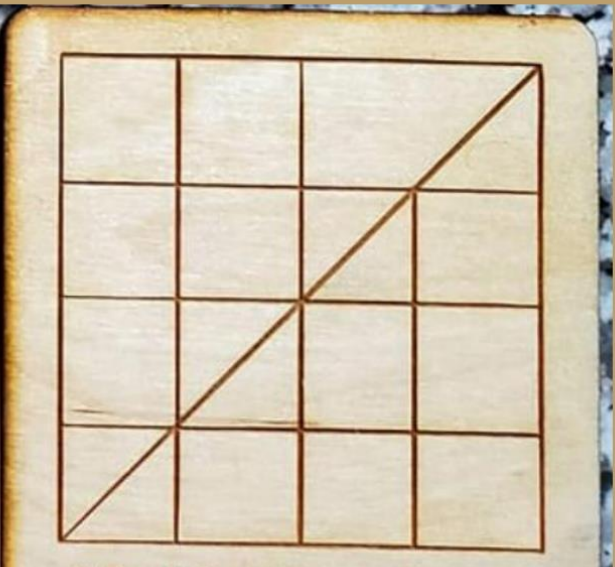
What fractions do you see?

#RDCRS



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What fractions do you see?

#RDCRS

# Extension Math (Optional)