



# Esti-Mysteries

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PUZZLES CREATED BY YOUR CLASS-MATES FOR YOU TO SOLVE!

REQUIRED ASSIGNMENT, WEEK 7, 6/4/20- 6/11/20

# Solve your friend's Esti-Mystery!

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NICE WORK SENDING ME YOUR ESTI-MYSTERIES!  
NOW YOU GET TO SOLVE THE ESTI-MYSTERIES  
YOUR FRIENDS CAME UP WITH!



- WE WILL HAVE AN OPTIONAL ZOOM MEETING  
ON 6/11 WHEN YOU CAN REVEAL THE ANSWER  
OF YOUR ESTI-MYSTERY TO YOUR FRIENDS.

## Alyssa's Esti-Mystery

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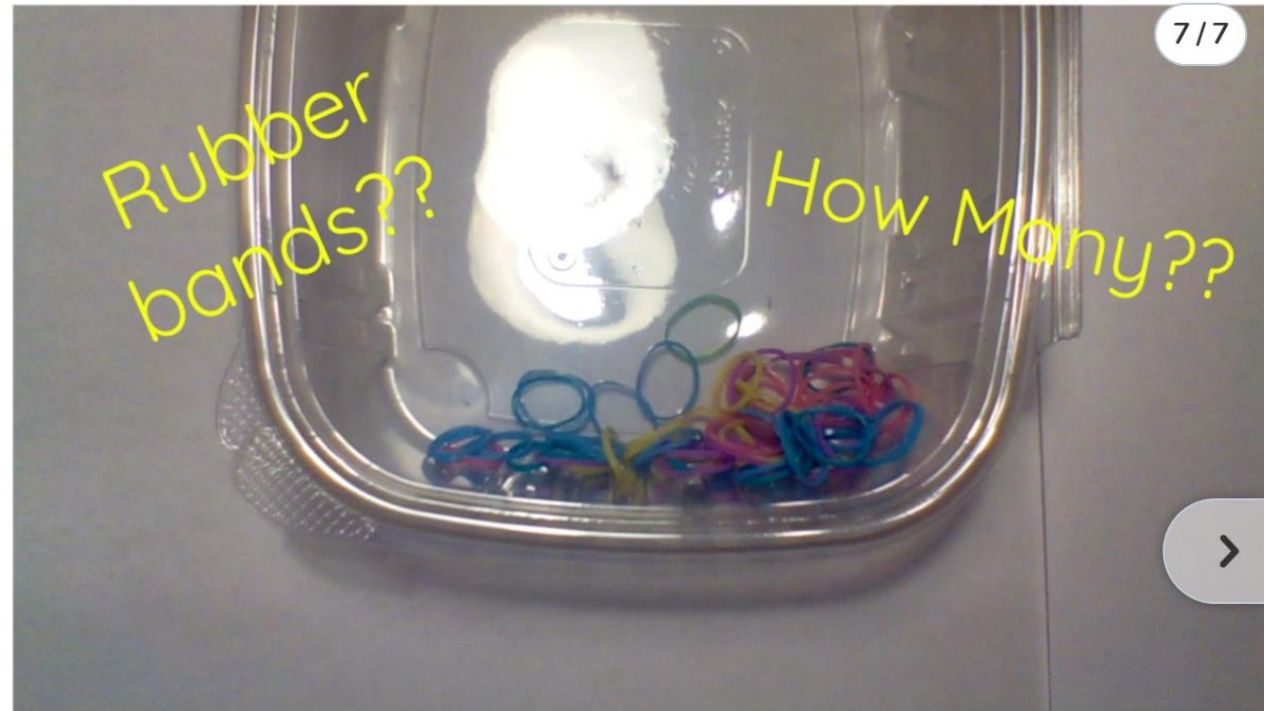
Clue #1: The number is less than 100

Clue #2: Add an even number under ten, making the answer a ten

Clue #3: Round it and it goes lower

Clue #4: If given 1 more ten, you would need 3 more tens to make 100 without the ones.

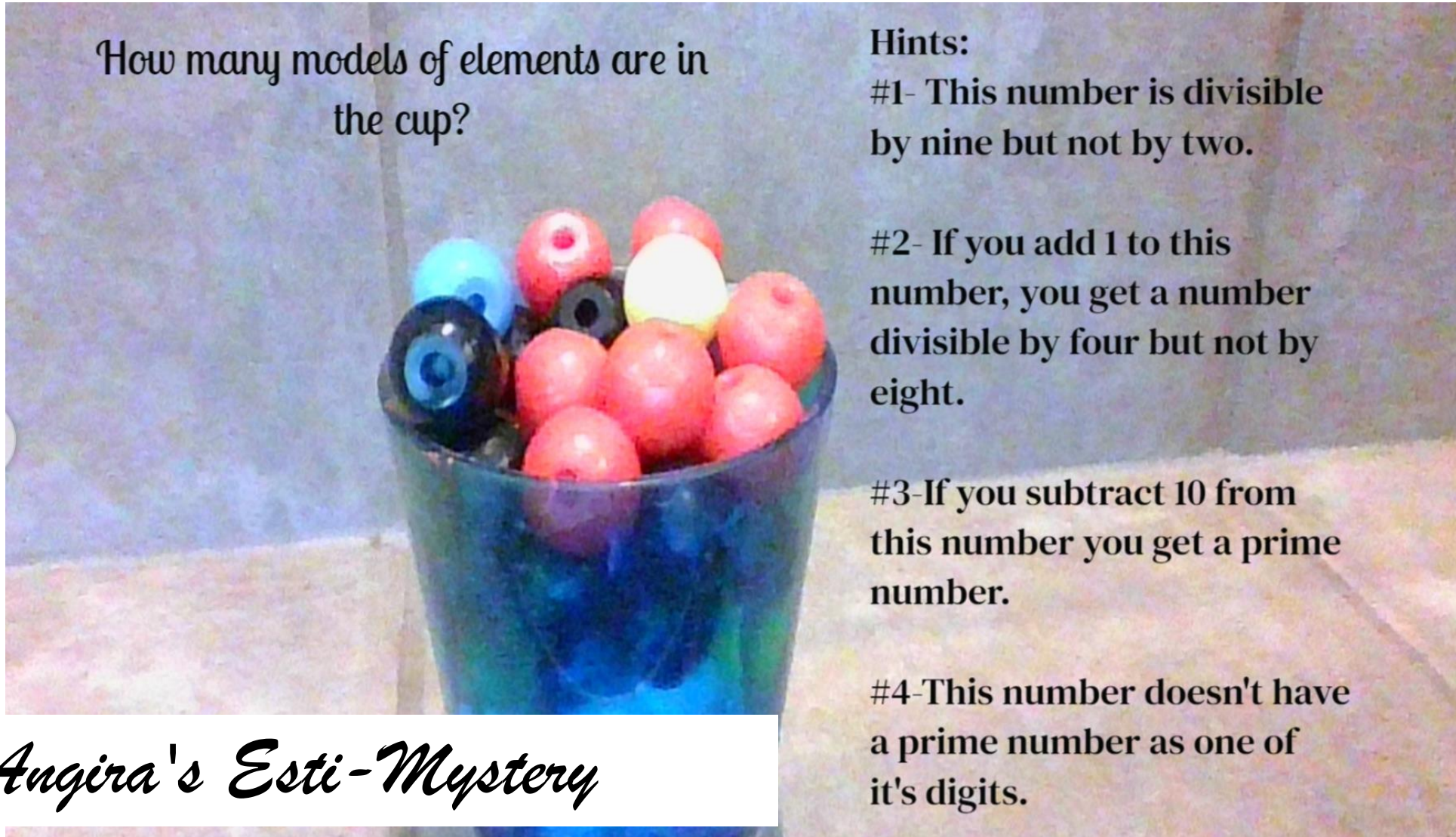
Clue #5: There isn't any 2s in the answer



How many rubber bands are there?

-Alyssa

How many models of elements are in  
the cup?



**Hints:**

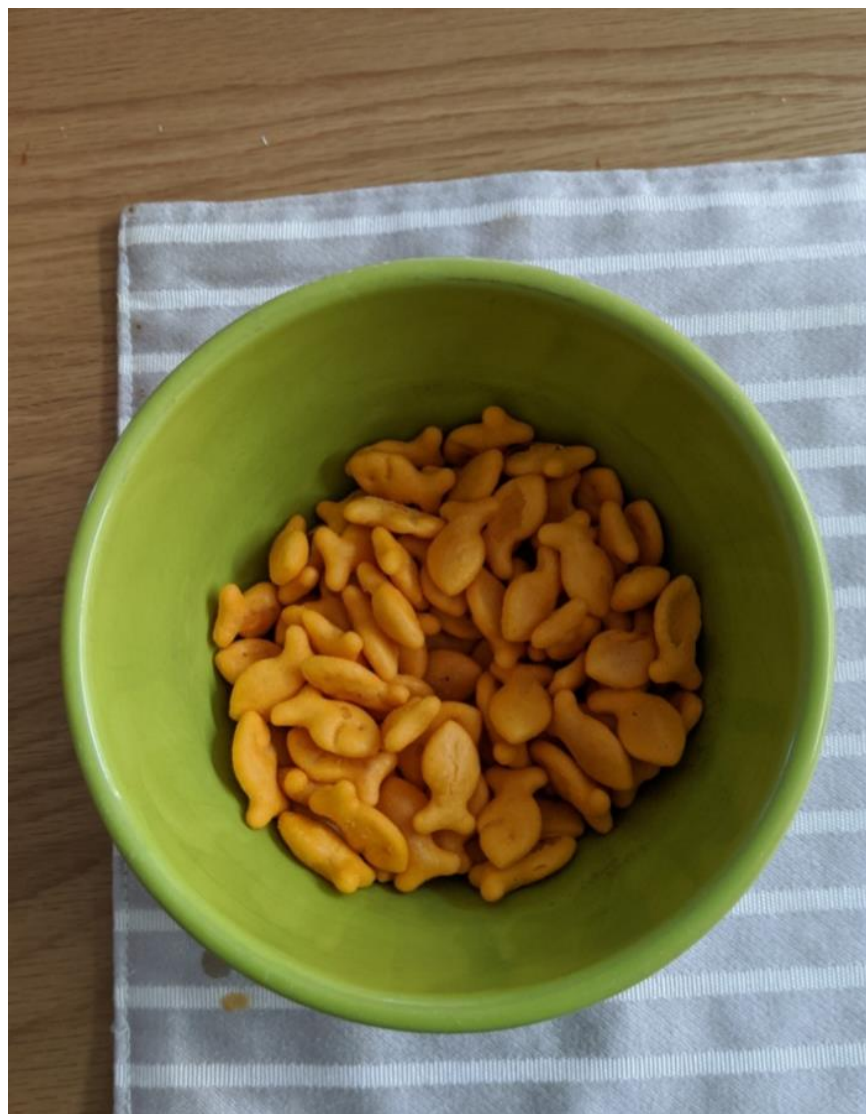
#1- This number is divisible  
by nine but not by two.

#2- If you add 1 to this  
number, you get a number  
divisible by four but not by  
eight.

#3- If you subtract 10 from  
this number you get a prime  
number.

#4- This number doesn't have  
a prime number as one of  
it's digits.

*Angira's Esti-Mystery*



## Neal's Esti-Mystery

My clues

- its even bellow 100
- If you subtract 2 from it, it becomes divisble by 10.
- The tens digit is the highest odd number bellow 100.



- 1. If you add 4, it becomes divisible by 5.**
- 2. If you subtract 2, it becomes divisible by 6.**
- 3. If you divide by 2, it becomes divisible by 7**

**Nikhil's Esti-Mystery**

Clues ↓

The number  
is prime

if you add  
all of the digits  
it turns into a  
one digit  
number

both of  
the numbers  
is the  
same

*Zach's Esti-Mystery*



# Kaleb's Esti- Mystery

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Clues:

1. The number is a multiple of 3.
2. One of the digits is the square root of the other digit.
3. If you subtract this number from 200, you get a prime number.

