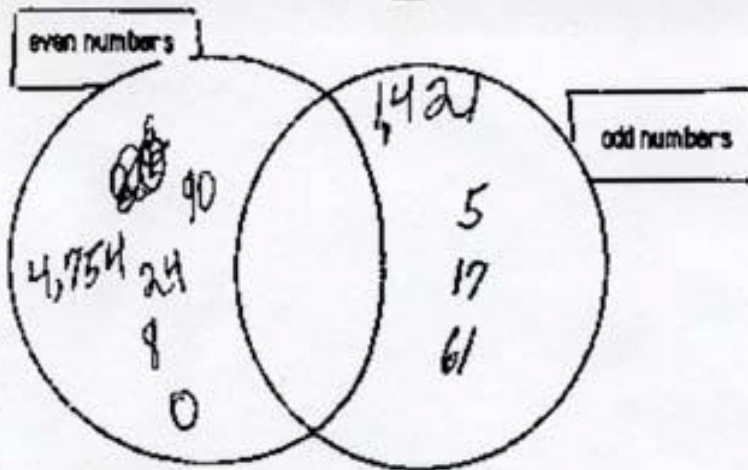
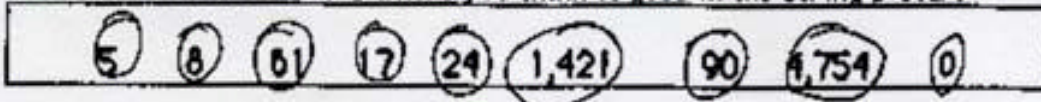


### MATHEMATICS QUIZ

Name Shekira

Date 2-2-90

Put each of these numbers where you think it goes in the string picture.



2. Is 1 even or odd? odd How can you prove it?  
 Because when you count by 2's your counting even numbers and you don't count when you count by 2's.

3. Give an example of this conjecture:  
 AN ODD NUMBER PLUS AN ODD NUMBER EQUALS AN EVEN NUMBER.

$$9 + 7 = 16$$

4. Is 72 even or odd? even How can you prove it?

Because according to Liz's conjecture  
~~any~~ when you look at the last digit in a number  
 if it's even or odd it means the whole number is even or odd like  
 the last digit 2, 22, 225 even or odd? odd How can you prove it?  
 and 2 is even according to Liz's conjecture it's odd.  
 because the last digit is even

6. What are you still not sure about from our work on even and odd numbers? Why aren't you sure?

I'm sure about everything.

7. Is  $2\frac{1}{2}$  even or odd? even why?

because you can still ~~split~~ split it by halves

8. Pins cost 3¢ and stickers cost 2¢. If you have 10¢ and you want to spend it all, what are all your choices of what you can buy? Prove that you have found all the choices.

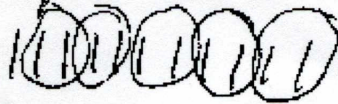
well you can buy 10 stickers and have no money left. you can buy 2 stickers and two pins.

Because  $3 + 2 = 5$  ~~is not~~

$5$  equals  $5$ , and I can't think of anymore  
 another  $3 + 2$  equals  $5$ , and  $5$  and  $5 + 5 = 10$ ,  
 and you can buy 10 stickers because  
 stickers cost 2¢ each so you have to count by 2's,  
 and you end up with 10¢.

9. What is the definition of an ODD number?

odd numbers are the ones that have 1 left over when you group by 2's.



10. What is the definition of an EVEN number?

even numbers are the ones when you group by 2's and have 0 left over.

