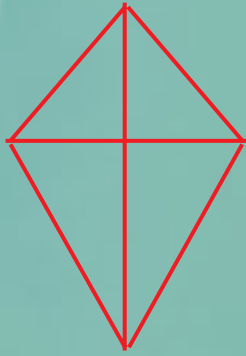


Losing Your Marbles



Problem One

- How many different triangles can you find in this figure?
- How can you be sure that you have found them all?

Problem Two

The page numbers that this book is open at add up to 17.
Another book is open so that its page numbers add up to 53.

What are the page numbers on the other book?



Problem Three

What is the smallest number of counters you have to move for this to happen?

Problem Four

Hone put 27 marbles in these jars so that:

- the middle jar has one more marble than the left jar
 - the right jar has two more marbles than the left jar.
- How many marbles are in each jar?
 - Could this have been done with 31 marbles? Explain your answer.

