

What Goes Around ...

Problem One

Millie and Billy have a cycle race. They start at the same place. Millie can go around the track once every 4 minutes, and Billy takes 6 minutes.

How long will it take before Millie laps Billy?



Problem Two

2 3 4 5 6 7 8 9

Arrange these numbers into two sets of four numbers that add up to the same total.

In how many different ways can you do that?

Problem Three



Joseph made a pentagon using 75 counters.

How many counters are along each side of his pentagon?



Problem Four

The hundreds digit and the ones digit of this house number multiply to give the tens digit.

- What other three-digit house numbers is this true for? (Use any digits.)
- How many three-digit house numbers can you make where the ones and tens digits add up to the hundreds digit (for example, 743)?