First Name: _____ **Last Name:** _____

Problem 1

There were 10 bicycles with 27 wheels in total. All bicycles had 2 wheels or 3 wheels. How many two-wheeled bicycles and how many three-wheeled bicycles were there?

Problem 2

There were 10 animals in total. Some of them were dogs and some were cats. They were given 56 biscuits in total. Each dog got 6 biscuits, each cat got 5 biscuits. How many dogs were there?

Problem 3

On each of his 10 cards Nicholas drew either a triangle or a square. He spent a total of 36 segments. How many squares did he draw?

Problem 4

On a farm near Berlin, there were 21 eggs. Some of them hatched ducklings, and the rest hatched lizards. In the end, there were the same number of duckling legs as lizard legs. How many ducklings were there and how many lizards?

Problem 5

In the theater, there are 2 types of tickets: one is sold for 30 dollars and the other - for 40 dollars. There are 12 rows of 25 seats each inside the theater. When all seats were sold, the total cost of tickets was 10,000 dollars. How many tickets were sold for 40 dollars?

Problem 6

On a pirate ship, there were a few cats, a few sailors, a cook and one-legged captain. All of them, taken together, have 15 heads and 41 legs. How many cats were there on the ship?