

Name: _____

6th Grade Math Summer Assignment

Dear 6th Grade Students:

We are your 6th grade teachers, Mr. Levin and Mr. Schmutter. We are thrilled to work with you next year! Below, please find your summer assignments. Please submit them on the first day of school.

There are two parts to this Summer Assignment. In the first part, we ask you to write a *Math Biography*, explaining what your experience with math has been like so far. Part II consists of practice problems. Please do these problems by yourself so that we can better understand how you approach Math.

Math Biography

Tell us a little about yourself and your experience with math in the past! Do you like it, hate it, any fun topics, etc. Nothing is off limits, just be honest!

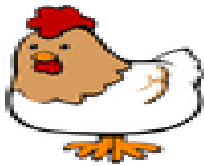


Problem Solving

Choose at least 3 problems to attempt to solve. Don't worry about getting it right, we just want to see your thinking. Please write as much and/or show as much work as possible!

1. River crossing

You are a farmer taking a fox, a chicken and a sack of grain to a market and you come across a river. The only way across the river is by a small boat, which can only hold at most you (the farmer) and ONE of the three items. Left unsupervised, the chicken will eat the grain or the fox will eat the chicken. However, the fox won't try to eat the grain, nor will the fox or the chicken wander off if left alone. What's the quickest way to get everything across the river?

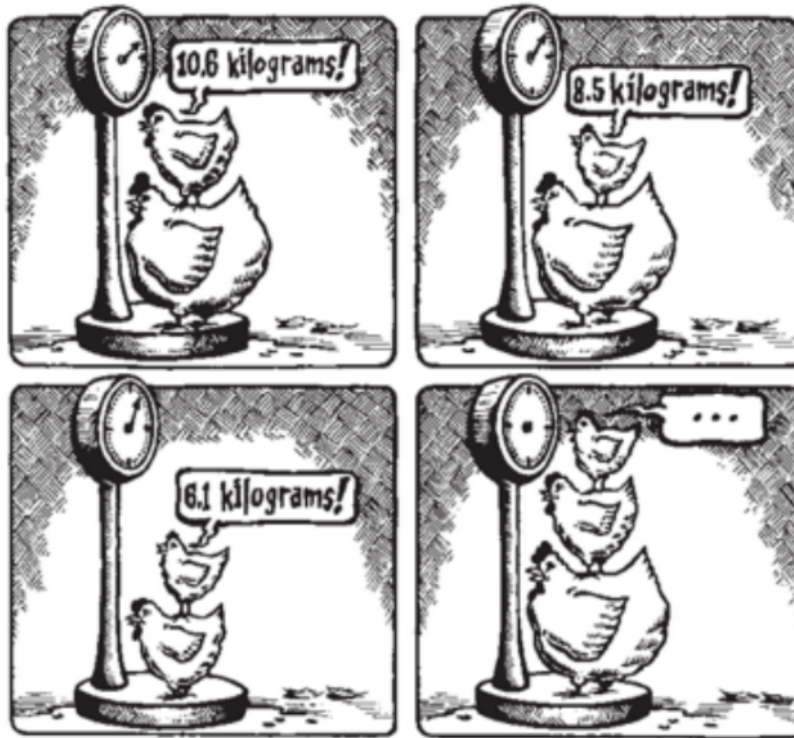


Show your work and explain your reasoning below.

2. Chicken Problem

Find the weight of the 3 chickens (graphic 4).

Chicken Problem



Show your work and explain your reasoning below.

3. St. Ives


As I was going to St. Ives
I met a man with seven wives
Every wife had seven sacks
Every sack had seven cats
Every cat had seven kittens
Kittens, cats, sacks and wives
How many were going to St. Ives?




Show your work and explain your reasoning below.

4. Tug of War


Four oxen are as strong as five horses.



An elephant is as strong as one ox and two horses.



5. Which animals will win the tug-of-war below? Give a reason for your prediction.



Source: Comparing Quantities (MIC)

Show your work and explain your reasoning below.
