SCHOLASTIC (familial) MATH LEAGUE 2019/2020
Math problems for primary school grades 5 and 6

Set 2

/ deadline *November 14, 2019*/

Problem 1

How many different rectangles are there whose sides are integers and the area is 60?

Problem 2

Jan bought 10 rolls, and Bartek bought 6 rolls. They divided them into three equal parts and ate with Maciek. Then Maciek gave his friends a total of 16 crowns for the rolls. How many crowns did Bartek receive and how many Jan?

Problem 3

In the small computer store there were 5 sets of custom-ordered computer with an average price of PLN 1,400 (Polish currency). A customer bought the set worth PLN 1,200. What is the average price of a computer set in the store now?

Problem 4

What numbers have been replaced with characters # and ♥, if it is known that the number 3#♥6 is divisible by 7 and the number #♥ is divisible by 8?

Problem 5

A positive number A is given that is less than 1. What is greater: (2 − A) or (1/A)?