

Math Awareness Week Competition

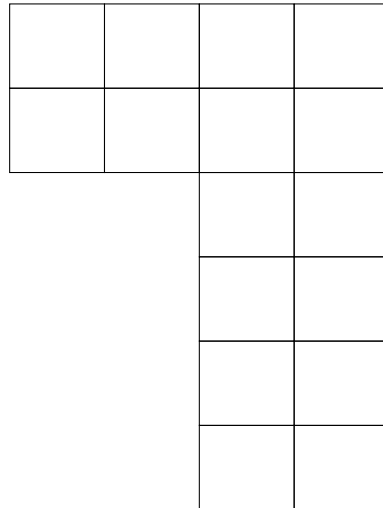
2007 Examination for 3rd-4th Grades

DIRECTIONS: [40 Minutes - 5 Questions] Start each new problem on a separate page. **Show your work!** Answers must be exact. You are allowed to use a calculator. You are not allowed to borrow or interchange calculators during the test.

1. Compute

$$1+2-3-4+5+6-7-8+9+10-11-12+13+14-\dots+301+302=?$$

2. How many times in a 24 hour period are the hands of the clock laid one on top of the other?
3. In an enchanted garden there was a miracle tree. It had 25 bananas and 30 oranges. Every day the gardener picked 2 fruits and a new one appeared at the same time. If he picked two of the same fruits, an orange appeared. If he picked two different ones, a banana appeared. What was the last fruit that he picked.
4. Divide the figure into 4 identical parts that have the same shape and size and are not squares or rectangles?



5. In a flower shop there are 3 different colors of carnations. The total number of the whites and pinks is 400, the reds and the pinks is 300 and the whites and the reds is 440. How many of each color are there?