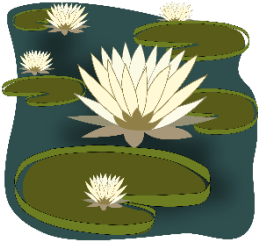Math 4d. Homework 22.

1. 24 candies were divided between three brothers as 1:2:3. How many candies did each of the brothers get?

2. Water lilies are growing in a lake. The area covered with lilies is doubling every week. The lake was completely covered with lilies in 8 weeks. In how many weeks only half of the lake was covered?

3. A snapping turtle and a painted turtle start to go down to the lake at the same time. The snapping turtle is 80 meters from the lake, and he can crawl 125 cm every 5 minutes. The painted turtle is 16 meters further away from the lake, but he can crawl 12 dm every 4 minutes. Which turtle reaches the lake first if they keep on going by their own speeds and never rest?

4. Evaluate the following expressions as shown:

$$-3 - 7 = -3 + (-7) = -(3 + 7) = -10$$

$a. \ -4 - 8;$ $b. \ -5 - 2;$ $c. \ -8 - 14;$ $d. \ -10 - 10;$

$e. -20 - 60;$ $f. -11 - 23;$ $g. -28 - 17;$ $h. \ -5 - 91;$

5. Ratio of number of girls and number of boys is 2:3.
   a. How many girls and how many boys are there in the class, if there are 35 students altogether?
   b. How many boys are there if there are 8 girls in the class?
   c. How many girls are there if there are 15 boys in the class?