

Math 4b. Homework 25.



1. Michael, David, and John bought an interesting book together and decided to read it in turn. Write down all the possible reading orders. How many options are there where John is first? Michael is not last?
2. Write down all possible three-digit numbers that can be formed from the digits 3, 4, 5, using each digit only once. Which of these numbers are divisible by:
a. 2; b. 5; c. 3; d). 6?
3. Has the entire sum been paid if:

a) 75% of the total sum was paid the first time, and 20% of the total sum was paid the second time;

b) 75% of the total sum was paid the first time, and 25% of the remaining amount was paid the second time?

Make a diagram. In which case was more paid?
4. Set up an expression based on the problem statement:

There are x liters of water in one bucket, 3 liters more in the second bucket, and 4 liters less in the third bucket than in the first. How many liters of water are there in all three buckets?
5. A tank holds 1000 liters of water. Each day, 600 liters are used, and at night, half of the amount that was in the tank in the morning is added. Will there be enough water in the tank on Thursday morning if the tank was full on Monday morning?