

1. There are 8 sheep in a flock. The first eats a haystack in 1 day, the second in 2 days, the third in 3 days, ..., the eighth in 8 days. Who will eat a haystack faster: the first two sheep together or all the rest together?

2. Solve the puzzle:

$$\begin{array}{r} A \\ + BB \\ \hline A \\ \hline CCC \end{array}$$

3. In a school quiz, participants were given 20 questions. For each correct answer, a student received 12 points, and for each incorrect answer, 10 points were deducted. How many correct answers did one of the students give if all questions were answered and the total score was 86 points?
4. Add one digit to the left and one digit to the right of the number 15 so that the resulting number is divisible by 15.
5. A student read a book in three days. On the first day, he read 0.2 of the whole book and 16 more pages; on the second day, he read 0.3 of the remainder and 20 more pages. On the third day, he read 0.75 of the [new] remainder and the last 30 pages of the book. How many pages are in the book?
6. The weight of a can with milk is 32 kg, without milk is 2 kg. What is the weight of the can when it is half-filled with milk?