Volume 6: Word problems (Answer Key)

Solve the equations and show your work.

A small watering can holds 5 l water. How many flowers can you water, if each plant needs 0,25 l water?

Equation: 5000 ml : 250 ml = 20   (Flowers)

Answer: You can water 20 flowers with a 5 l watering can.

Felix got a medicine prescription. Inside of the bottle are 100 ml. He has to take 2x5ml every day. After how many days will the bottle be empty?

Equation: 100 ml : (2 • 5 ml) = 10   (Bottle contents : daily dose)

Answer: The medicine will last 10 days.

Mrs. Meier wants to make home made joghurt for a party. She is expecting 24 guests. She needs 170 ml milk and 15 g joghurt for one serving. How many 1 l milk bottles and (50 g) joghurt containers will she need?

Equation: 24 • 170 ml = 4080 ml   (Amount of milk f. 24 portions)
             4080 ml : 1000 ml = 4 R 80 ml   (5 1 l bottles needed)
             24 • 15 g = 360 g   (Amount of joghurt f. 12 p.)
             360 g : 50 g = 7 R 10 g   (8 cups joghurt)

Answer: Mrs. Meier needs 5 bottles of milk and 8 containers of joghurt for her guests.