



1			kg ?
2			kg ?
3			kg ?
4			piece(s) ?
5			piece(s) ?
6			piece(s) ?
7			l (liter/litre) ?
8			cm ?
9			m ?
10			a (age) ?

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Estimate/ Guess

prepared for the European Horticulture Teachers` by Gertraud Herrmann

1. Time and division of labor

You have 25 minutes to complete this task.
All 3 team members must participate in the task.

2. Task

Certain measurements must be estimated for 10 different objects (e.g., weight, quantity, volume). No measuring devices may be used (e.g., scales, measuring tape, measuring cup). However, individual comparative measurements (e.g., length of the hand span, own body height) may be used.

The individual objects are numbered from 1 to 10. The teams receive a table in which they enter their estimates. For clarity, the objects are also shown in the table with a photo or illustration. The required unit of measurement is also already specified in the table.

- | | | |
|------|--|---|
| (1) | weight (kg)
note: lifting permitted | wooden slat |
| (2) | weight (kg)
note: common lifting permitted | U-shaped brick |
| (3) | quantity (kg)
There are 3 signs in front of a 5-liter carton of apple juice.
5 kg apples? 10 kg apples? 20 kg apples? | quantity of apples for 5 liters of apple juice |
| (4) | number | bowl of hazelnuts |
| (5) | number | grains on corn cob |
| (6) | number | bag of plant seeds |
| (7) | volume (liters) | big plant pot |
| (8) | trunk circumference (cm)
note: The trunk may be measured with a hand span. | tree no. 1 |
| (9) | height (m) | tree no. 2 |
| (10) | age (years) | tree no. 3 |



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