Date

Name

1. Draw a scheme of a pumping station

2. How many rotations will it take to fill the upper tank? One hand pump rotation pumps 0.25 litres of water.

3. How much time did it take?

4. What was your average capacity for pumping water?

5. How much energy has been stored in the tank for producing electricity if 3.7 m³ of water must be pumped to a height of 100 m to produce 1 kWh?

6. How many phone batteries could be charged with the water pumped to the tank? The average phone charger has a capacity of 4 W, and it takes an average of 2 hours to charge a phone battery.

Jääaja Keskus