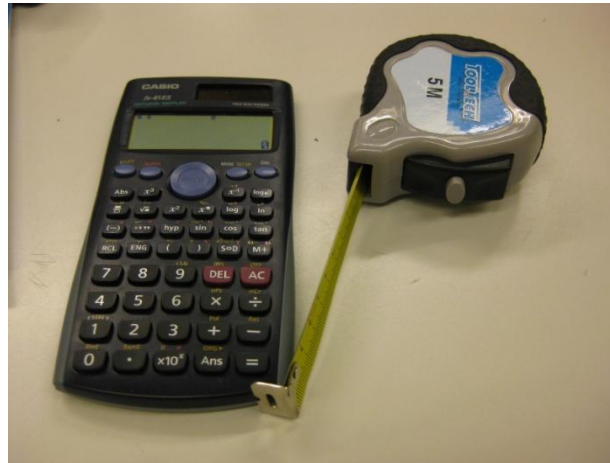# The slip road

16 centimeters

- We tried to measure how long the slip road should be to cover the stairs.

Our stuff

- We needed a measure and a calculator to sort out the problem of the slip road.

The calculation

- $15^2 + 32^2 = 1249$
- square root$1249 = 35.34 = 35$
- $35 \cdot 11 = 385$
- $35.34 \cdot 11 = 388.74 = 389$
- $\tan^{-1}(15:32) = 25.1$
- $180° - 90° - 25° = 65°$
- The angle of the slip road is 25°

The results

- We have the right answer. The angle was 25.1° and the slip road should be 389 centimeters to cover all the stairs.

- Thanks for watching our examination and have a good day.

- Vilma Mäkinen and Suvi Kuusela-Opas 8B from Havukosken school.