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

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