

How much surface in your school is permeable?

#FLOODED
Activity Resource



Permeability Percentage

Help assess the risk of flooding on your school grounds by calculating the proportion - in a percentage form - of permeable area. Review the definition if needed.

One way you can conveniently calculate the relative proportions of permeable and impermeable surfaces on your school grounds is by using GIS or online mapping tools (Google maps).

Relevant Formula

Area (m²) = length x width

$$\text{Permeability percentage} = \frac{\text{Permeable Area}}{\text{Total Area}} \times 100$$

Area of your school grounds	_____ m ²
Area that is permeable	_____ m ²
Percentage that is permeable	_____ m ²

