Toilet calculator

Use this calculator to help work out how many toilet pans, basins and urinals to include in buildings.

The calculator:

- is designed to be used in conjunction with Acceptable Solution G1/AS1 (https://www.building.govt.nz/building-code-compliance/g-services-and-facilities/g1-personal-hygiene/acceptable-solutions-and-verification-methods/)
- uses the method contained in G1/AS1 for determining the number of required pans, urinals and basins for use in buildings
- is intended for use by designers and building consent authorities
- does not change the requirements that have been in place since 2000
- is guidance under section 175 of the Building Act 2004.

The calculator works out the number of toilet pans, basins and urinals from either:

- the building use and the number of people using the building, if known
- or the building use, the occupant density and the floor area.

Limitations of the calculator

The calculator, on its own, will not produce a Building Code compliant solution as it does not cover:

- allocation and distribution of accessible toilet facilities
- definition of, or the distribution of unisex toilet facilities
- space requirements for toilets or accessible layouts
- privacy
- calculation of showers.

The user should note the ‘occupant density’ menu option list is extensive and allows for a number of different building uses. Not all of the options on the ‘occupant density’ menu will be relevant to the selected building use.
Calculate the number of toilet pans, basins and urinals here.

Select the building use

Is the number of people for the building known?  
- Yes  
- No

Enter the number of people

0

Calculate

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- with compliance with the Building Act, it is published under section 175 of the Building Act
- with a Weatheright Services claim, it is published under section 12 of the Weatheright Homes Resolution Services Act 2006.