Learner 5: PC 1.1 and 1.2

Ramp 2

Learner 5: Meets Requirements

Intended for teacher use only

Block Course

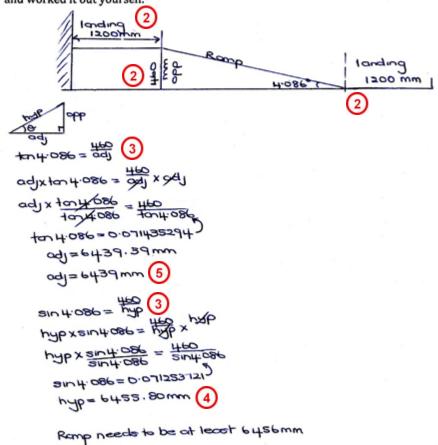
Unit 5236

Design an accessible ramp

①

Select a building that needs a ramp to allow wheelchair access. Take the measurements and do the calculations to design a ramp for the entrance that meets the regulations. Design it to have the ideal slope (4.086°). Include all dimensions.

Remember: Get your supervisor to sign off that you have measured accurately, and worked it out yourself.



Supervisor sign off. The candidate:
Took the measurements independently using TAPE MERSURE PLUMBLINE equipment used) and the measurements were accurate worked out the problems independently.

Resource A?

Block course

Unit 5236

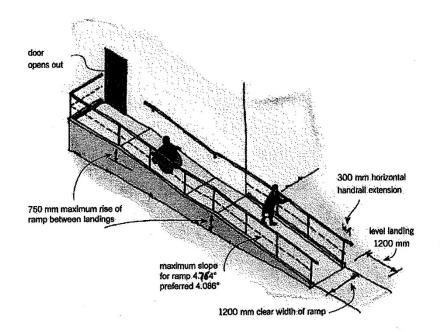
ACCESSIBILITY RAMPS

NZ Building Code

- If it has a gradient of more than 1 in 20 (slope of 3.18°) it's a RAMP.
- (If it has a gradient of less than 1 in 20, it's a footpath.)

Regulations for a RAMP:

- Ideal gradient is 1 in 14 (slope of 4.086°)
- Maximum gradient is 1 in 12 (slope of 4.764°)
- Ramp must be 1200mm wide
- Maximum rise of ramp between landings is 750mm
- Must have level landings (of 1200mm width & length) at top and bottom of ramp



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