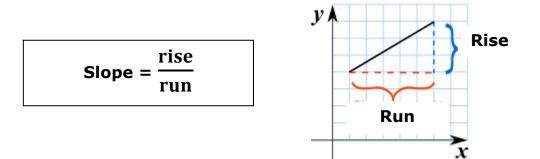
Lesson: Slope

The **slope** (also called gradient) of a straight line shows how <u>steep</u> a straight line is.

To Calculate the Slope

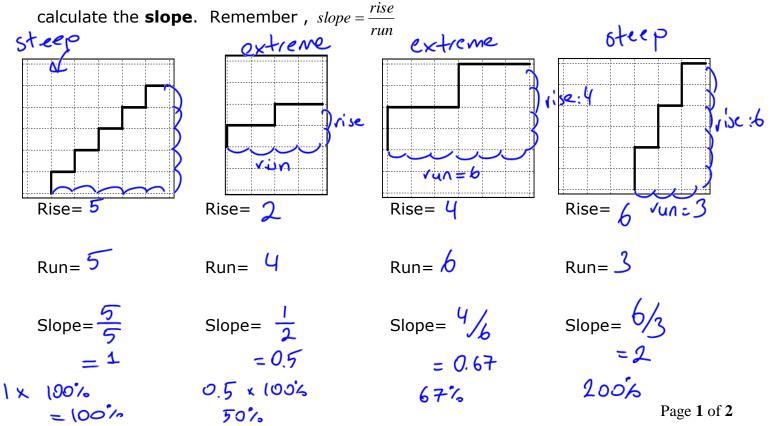
Divide the change in height (rise) by the change in horizontal distance (run)



LEVELS (AMOUNT) OF SLOPE

	ZERO or LEVEL	GENTLE	MODERATE	STRONG	EXTREME	STEEP
SLOPE (%)	0%	2 - 9%	9 - 15%	15 - 45%	45 - 70%	70% -100%
DEGREE (°)	0°	1.1 - 5°	5 - 8.5°	8.5 - 24°	24 - 35 ⁰	35 - 45°

Example: For each staircase, count squares to determine the rise and the run and



Thinking:

Each of the following diagrams represents a wheelchair ramp. Wheelchair ramps cannot have a slope steeper than ¹/₄ or 0.25. Calculate the slope of the following to determine which, if any of these ramps are safe.

