

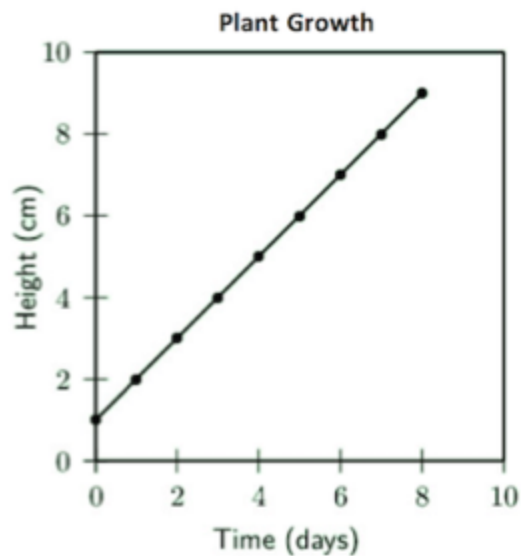
Graph Linear Relations Notes

Graphs - a visual way to show how two sets of numbers relate to each other.

A good graph has:

- Title (clear title)
- X and Y axes
- Units you are using
- Consistent scales (they can be different on the x and y axes)
- Use a ruler (make it neat and easily readable)

Example:



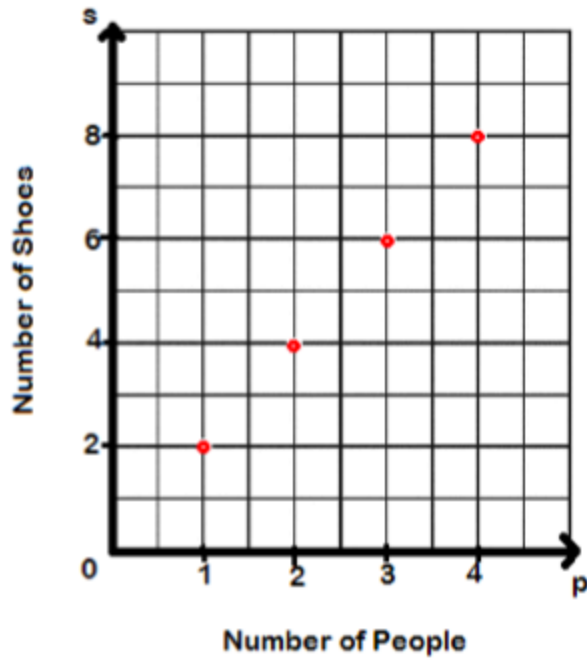
Ordered Pairs:

- Two numbers in a certain order that represent a point on a graph.
- Numbers in a table of values that translate into ordered pair.

Example:

x	$y = 2x + 1$	y	Ordered Pairs
-2	$2(-2) + 1$	-3	(-2, -3)
0	$2(0) + 1$	1	(0, 1)
2	$2(2) + 1$	5	(2, 5)

Plot Points and Describe the Pattern



1. The pattern of points make a straight line.
2. The s coordinate is 2 times the p coordinate.
3. The points increase by 1 unit to the right and 2 units up.
4. $S = 2p$