

Statistics

Polynomial Functions

Logical Reasoning

Trigonometry

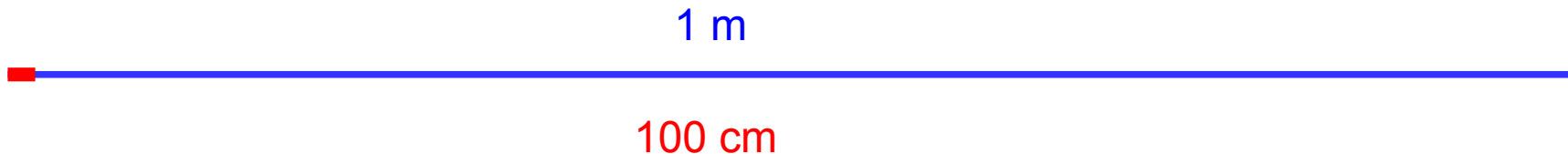
Systems of Linear Inequalities

Measurement

Measurement

Distance

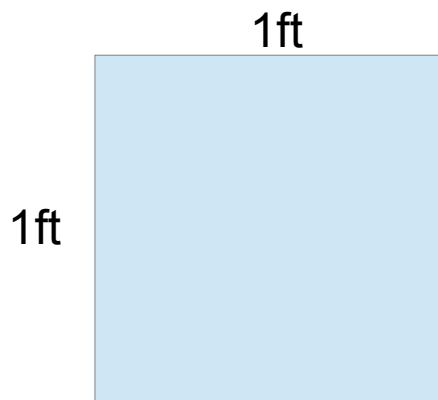
- The measurement of space between two points
- How 'far' a length is
- Units: cm, m, miles, km, inches, mm, ft



Measurement

Area

- The measurement of space within an enclosed shape
- 2D or 3D shapes (surface area)
- Units: cm^2 , m^2 , miles^2 , km^2 , inches^2 , ft^2



1 ft^2 is a square shape with 1ft dimensions on both sides

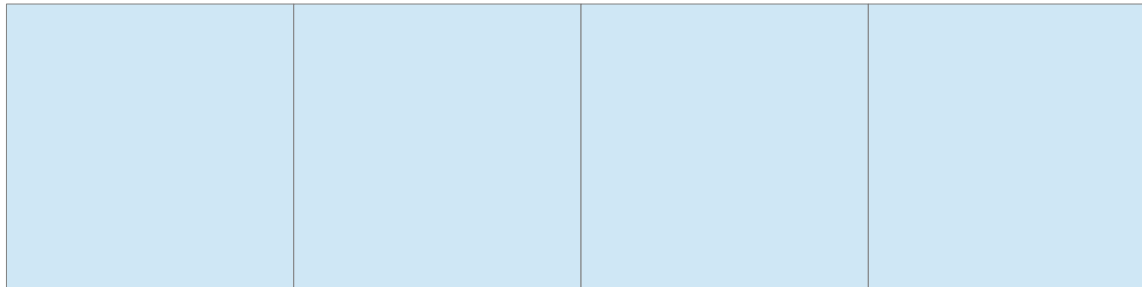
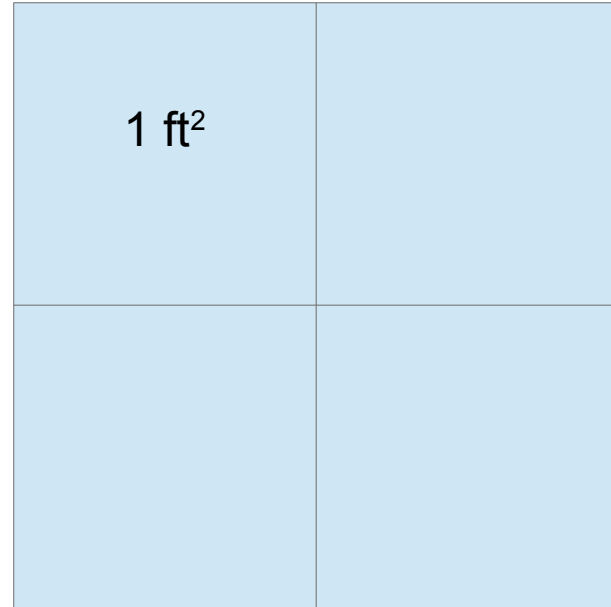


The number of squares you have in the area

Draw a shape that has an area of 4 ft^2



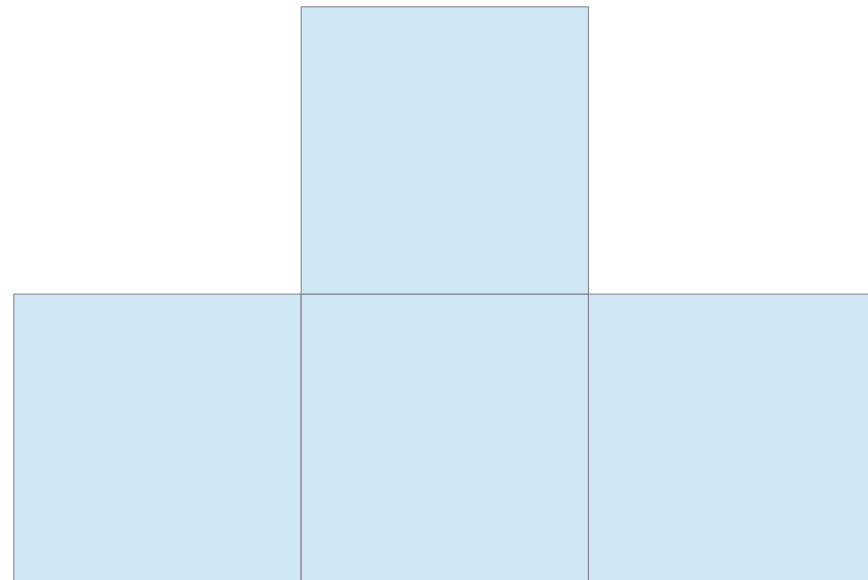
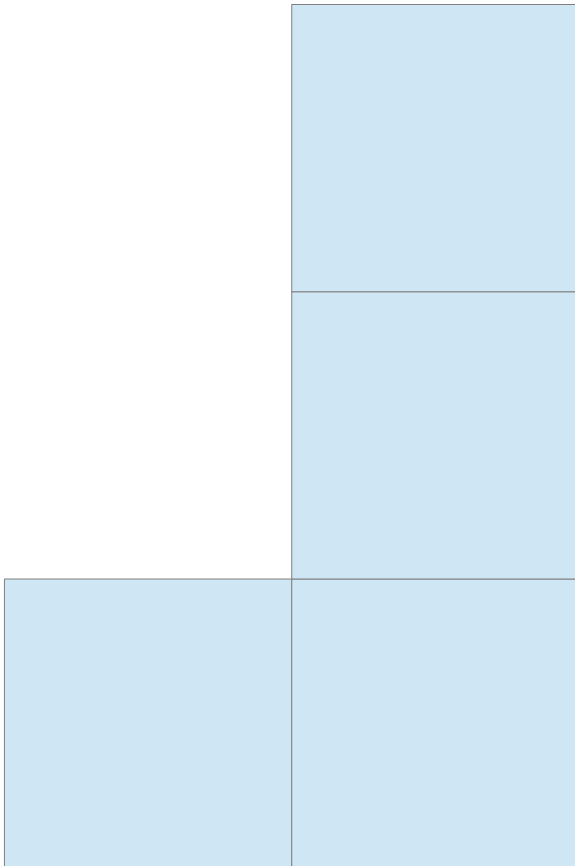
We can fit four
Of these units 2 ft
Into the square
Shape so the area
Is 4 ft²



2 ft

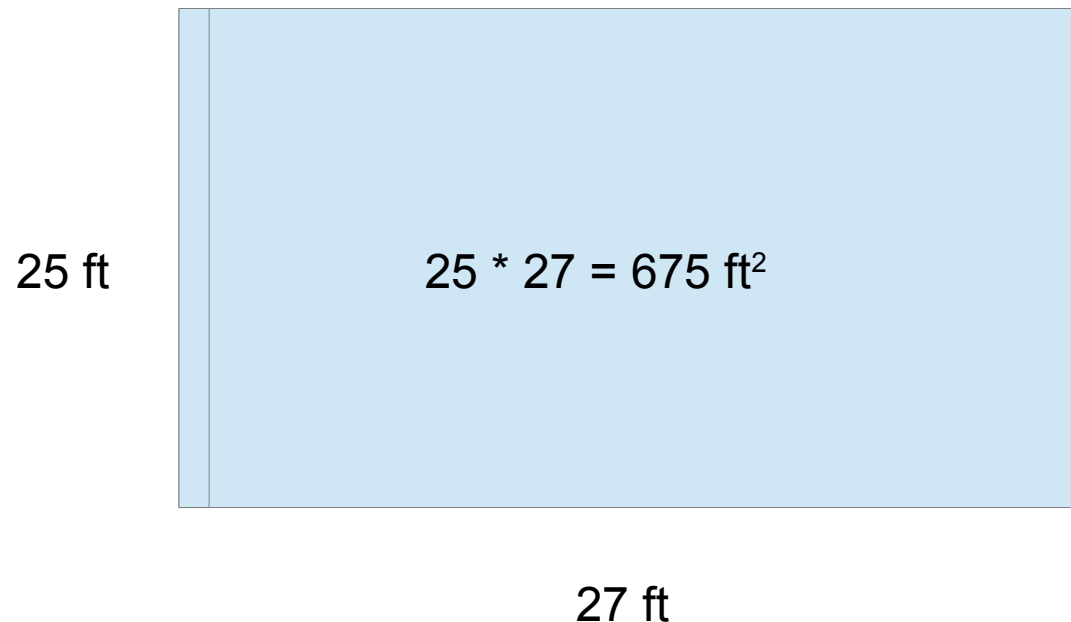
Draw a shape that has an area of 4 ft^2

All of these shapes have the same area of 4 ft^2



If you have a floor and you want to find the Area, look at one dimension times the other

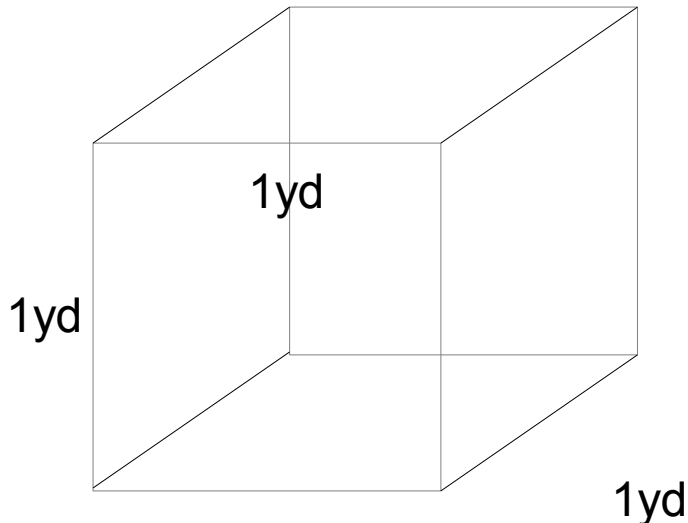
Example: If one dimension is 25, how many rows of 25 do you have?



Measurement

Volume

- The measurement of space within an 3D object
- How much would it take to 'fill' the object
- Units: cm^3 , m^3 , miles^3 , km^3 , inches^3 , ft^3 , yd^3



1 yd^3 is a cube shape with 1yd dimensions on all three sides
↖
The number of cubes you have in the volume

Measurement

Volume

Draw an object with a volume of 3 yd^3

How many ft are in a yd? **3**

How many ft^3 are in a yd^3 ? **27**

