

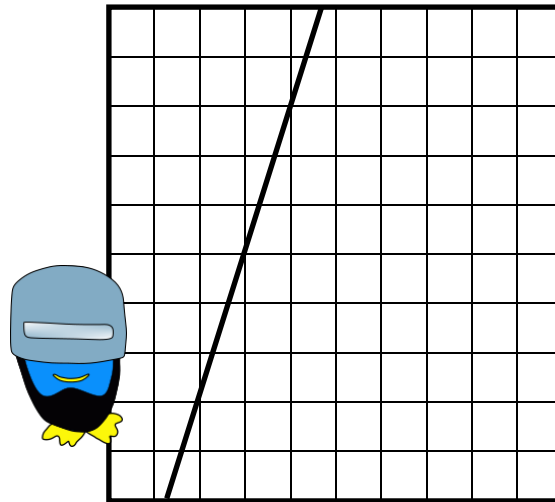


Robot Maths - Gradient of a straight line

The *gradient* of a straight line is its *steepness*
An 'uphill' line has a *positive gradient* 
A 'downhill' line has a *negative gradient* 

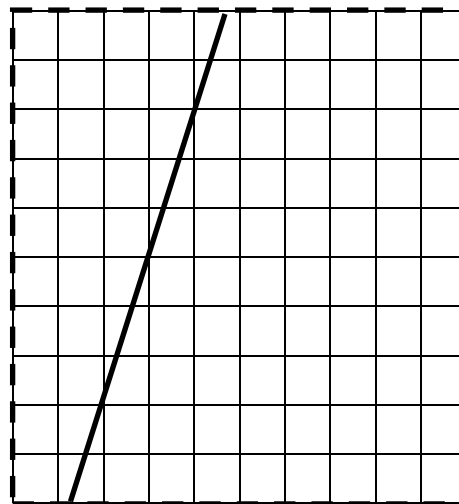
What is the gradient of this line?



1) Find and dot two points where the line goes through the corner of a square

2) Draw a right angled triangle connecting the dots

3) Label the rise (the height of the triangle) and the run (the length of the triangle)





An uphill line will have a *positive gradient*

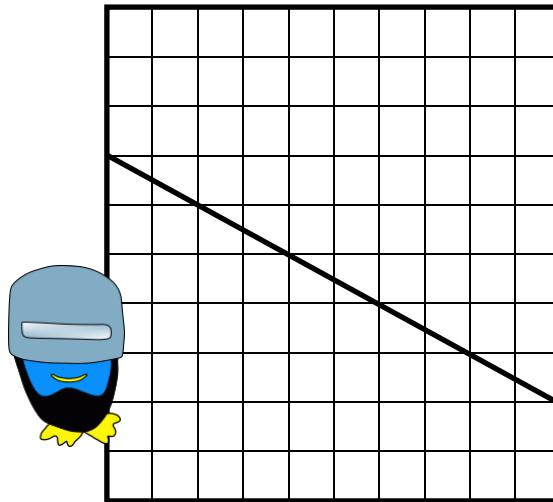
4) Calculate the gradient: $\text{rise} \div \text{run}$



Robot Maths - Gradient of a straight line

The *gradient* of a straight line is its *steepness*
An 'uphill' line has a *positive gradient* 
A 'downhill' line has a *negative gradient* 

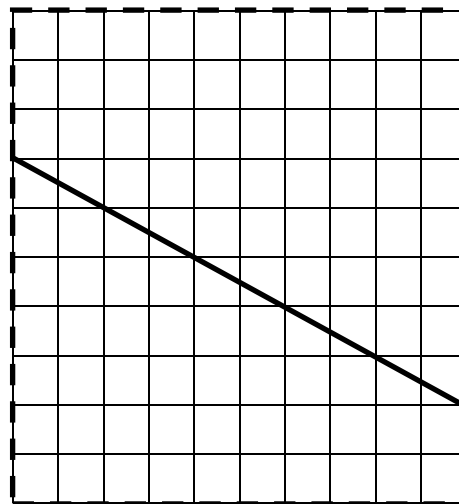
What is the gradient of this line?



1) Find and dot two points where the line goes through the corner of a square

2) Draw a right angled triangle connecting the dots

3) Label the rise (the height of the triangle) and the run (the length of the triangle)



A downhill line will have a *negative gradient*

4) Calculate the gradient: $\text{rise} \div \text{run}$

