



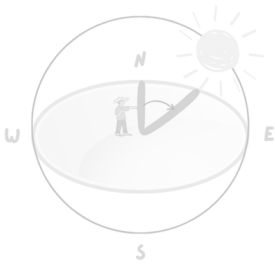
**Instructions for the ABC stickers:**

The stickers will fit AVERY Labels - code 936074, 99.1mm x 67.7mm Just load the paper into your printer and choose to print only page 2 of this document. You will be able to print 8 stickers per sheet. Each letter will fill the next sticker block so save your sheet for the next letter. Alternatively, you can print on normal paper, cut the sticker out and glue into your math journal.

I hope you enjoy using these resources with your family. I am happy for you to share these pages with others but please respect the creative copywrite and link back to [jo.mathinnature](http://jo.mathinnature).



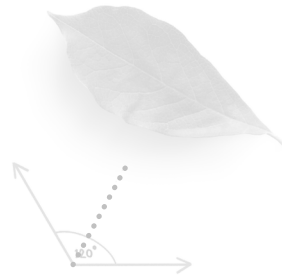
# Azimuth



The Azimuth angle is the horizontal angle measured clockwise from North.

# Bisect

Like the mid vein of a leaf



To bisect is to divide into two equal parts. The line which divides is called the bisector.

# Converge



THESE LINES LOOK LIKE THEY APPROACH EACH OTHER BUT THEY ACTUALLY NEVER MEET.

Approach toward a definite value or point.

# Depth



THESE POSTS HAVE MARKS WHICH SHOW THE DEPTH OF THE WATER.

The distance from top to bottom.

# Equilateral Triangle

A triangle with 3 sides of equal length. The angles inside the triangle are all  $60^\circ$



# Fractals



Have a repeating pattern that we see again and again when we zoom in.

# Gradient

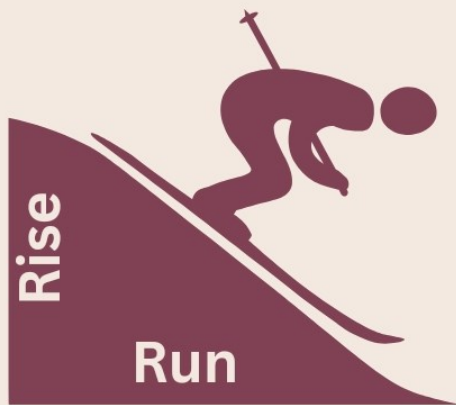


Measures how steep or gentle a slope is. The formula is  $m = \text{rise/run}$

# GRADIENTS

## LET'S LEARN MORE

A gradient tells us how steep or gentle a slope is. When we measure a gradient we are finding out how much the slope rises over a certain distance. You might hear that a section of the walk you are going on has a 14 degree slope, 1 in 4 rise or a slope of 25%. This just means that for every 4m of horizontal distance the vertical distance rises by 1m.

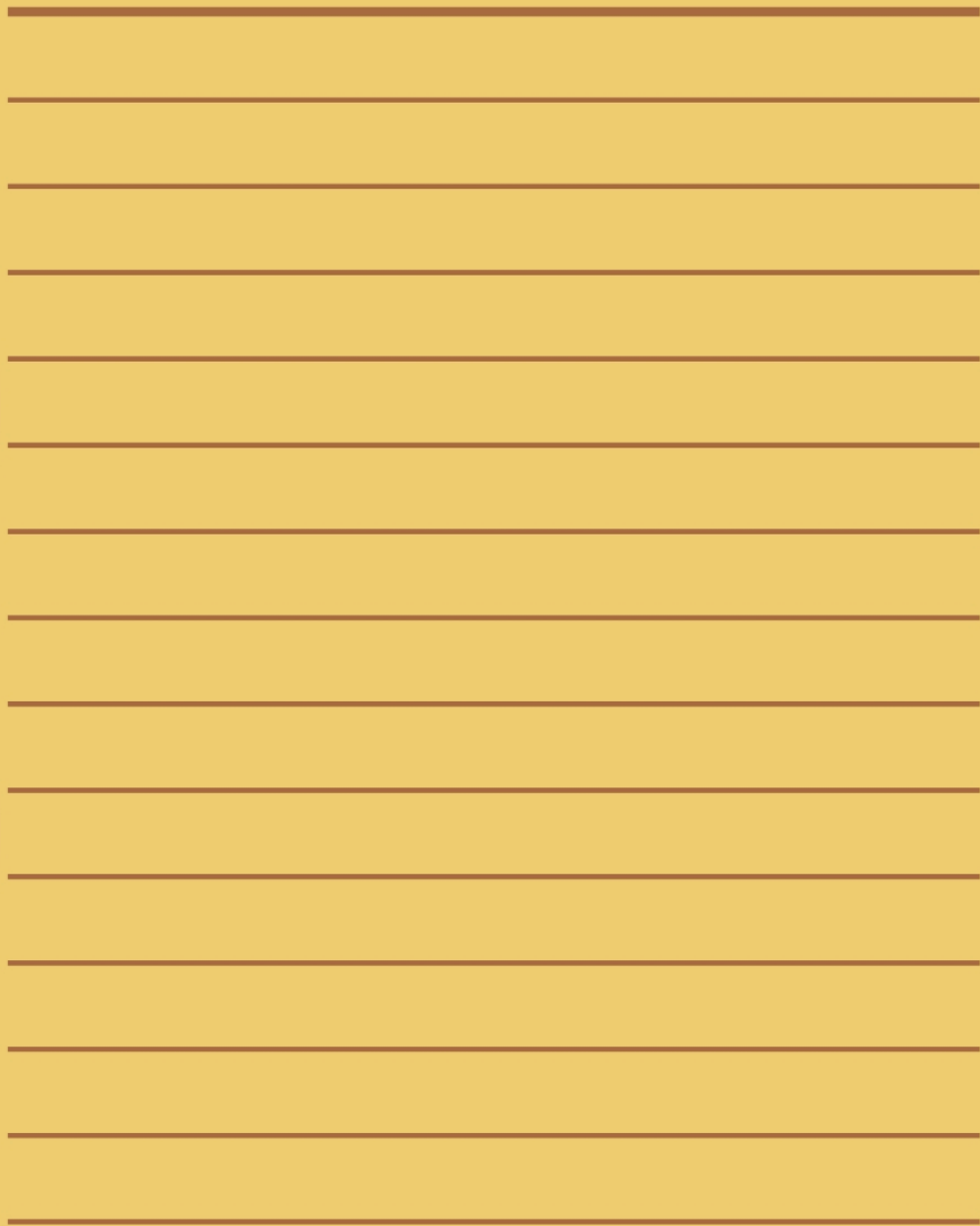


Keep your eyes open, where will you see gradients?  
Take a tape measure and go to a local playground. Measure the rise and run of the slide. Calculate the gradient.



Down the gradient of meandering verdant valley  
Draining down the dregs of the fading dusk  
Beyond the threshold of the wild woods thick  
My white stallion gallops in the emerald prairie.

~Subimal Sinha-Roy



A large yellow notepad with horizontal lines, designed to look like a piece of paper with decorative corner tabs. The notepad is centered on a pink background. It has a white tab on the top-left corner and another white tab on the bottom-right corner, both with brown rectangular accents. The notepad contains 18 horizontal lines for writing.

# MY NOTES ON 'GRADIENTS'

To learn about how to judge steepness  
by contour lines watch this [VIDEO](#).

For fun [How steep is 30°](#)

[Try this lesson for a challenge!](#)