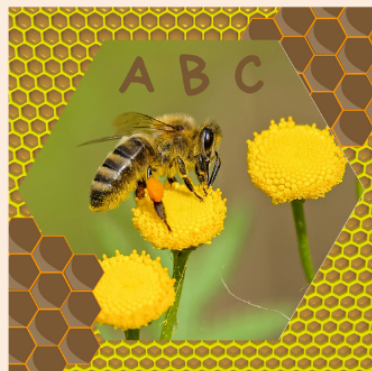




Instructions for the ABC stickers:

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.



Infinity



Never Ending!

Joule



a measurement
of work, energy
and heat

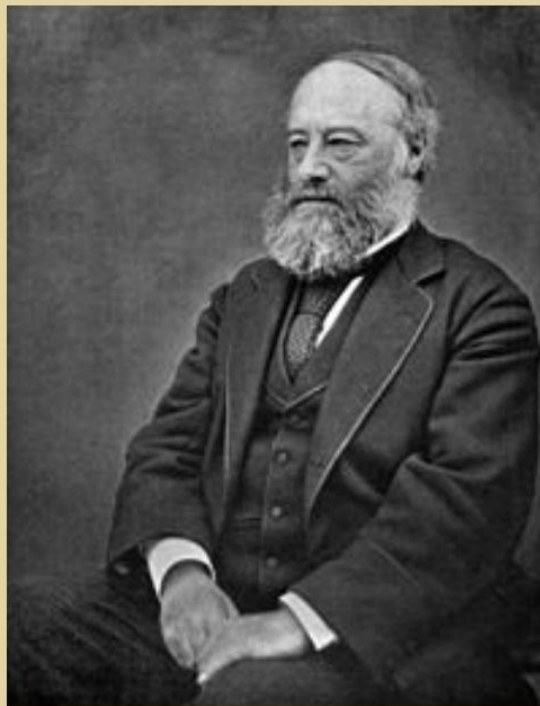
JOULE

LET'S LEARN MORE

A Joule is a unit of measurement that we use when we are calculating energy. 1 Joule of energy is equal to moving 1Kg of mass 1 meter per second. So, if you had a box weighing 1Kg and you pushed it 1 meter in a second you would have used 1 joule of energy to complete the task. In physics the formula is written as

$$J = \frac{\text{kg}\cdot\text{m}^2}{\text{s}^2}$$

The 'Joule' was named after a man whose name was James Prescott Joule. He was an English mathematician and physicist. His work on energy and heat is what caused the Joule to be named after him.



JOULE

LETS LEARN ABOUT THE MATHEMATICIAN

Instructions

This weeks task is to learn more about James Joule. Research and write about who he was and what he discovered. Then have fun making your own experiments involving work, energy and heat,

MY ENERGY EXPERIMENT

WHAT I WILL DO

RESULTS

WHAT I EXPECT WILL HAPPEN

Wherever mechanical force is expended,
an exact equivalent of heat
is always obtained.

—J.P. Joule, August, 1843



MY NOTES ON 'JOULE'

Learn the link between beer and energy by watching [this video about Jame Joules and his discoveries.](#)