



PRIMARY COLOURS

INTRODUCTION

Can you imagine how boring life would be in black and white?

Colors fill our world!

Colors are made from other colors.

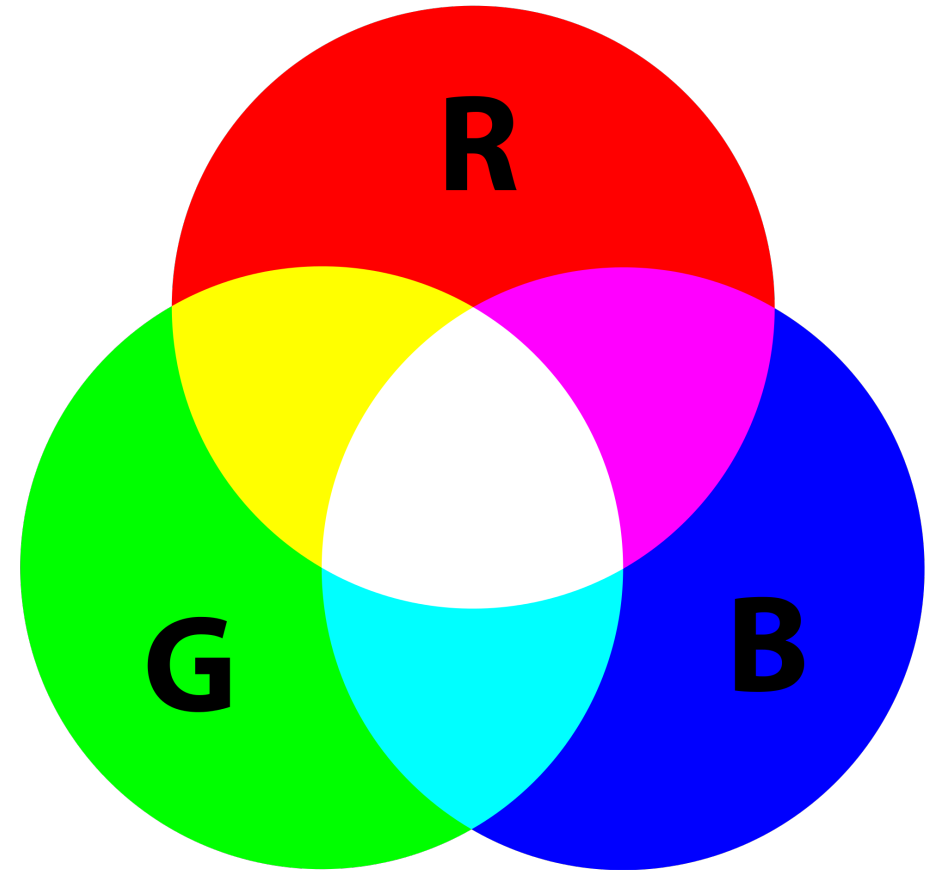
There are three primary colors that make up all other colors just by the way you mix them together.

It is estimated that we can mix these three colors different ways to make millions of new colors.



FUN FACTS

- *Additive color mixing is used to form several different colors on television screens, computer monitors, and cell phone screens.*



- Although people love colour blue, studies show that its not a good colour for food.



DEFINITIONS

- **pigment**- an object's colouring.
- **commutative property**- moving the order of a math problem around does not change the answer
- **primary colors**- the three colors of red, yellow, and blue that all other colors are made from by mixing these colors together
- **secondary colors**- the three colors of orange, green, and purple that are made up by mixing primary colors in different ways

MOUSE PAINT

- https://www.youtube.com/watch?v=fFiidS_8BtQ



DO YOU REMEMBER???

- *What new color did the red mouse make when he stepped into the yellow puddle?*
- *What new color did the yellow mouse make when he stepped into the blue puddle?*
- *What new color did the blue mouse make when he stepped into the red puddle?*



SECONDARY COLORS

the three colors of orange, green, and purple that are made up by mixing primary colors in different ways

When the mice washed all of the paint off, what color did they become again?

White is actually the absence of color

What would happen if the mice mixed all of the colors together instead of just two colors together?

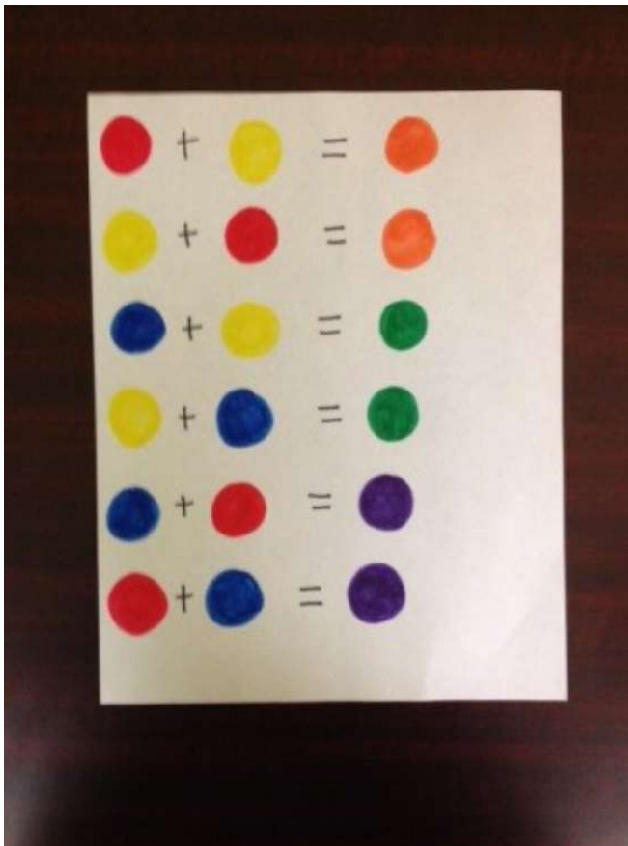


*Now that we know all about primary
and secondary colors, let us do some
mixing of our own!*

*We are going to be chemical engineers
and mix some paints*



COMMUTATIVE PROPERTY



LET'S TRY COLOURS KIDS!!!



make colour wheel



*create a painting using
your paints*

DISCUSSION

1. *What does color mixing have to do with chemical engineering?*

They are behind the ink that goes into your computer printer to print pages in color. Chemical engineers work hard to help us enjoy the beauty of the world around us.

THANK YOU

