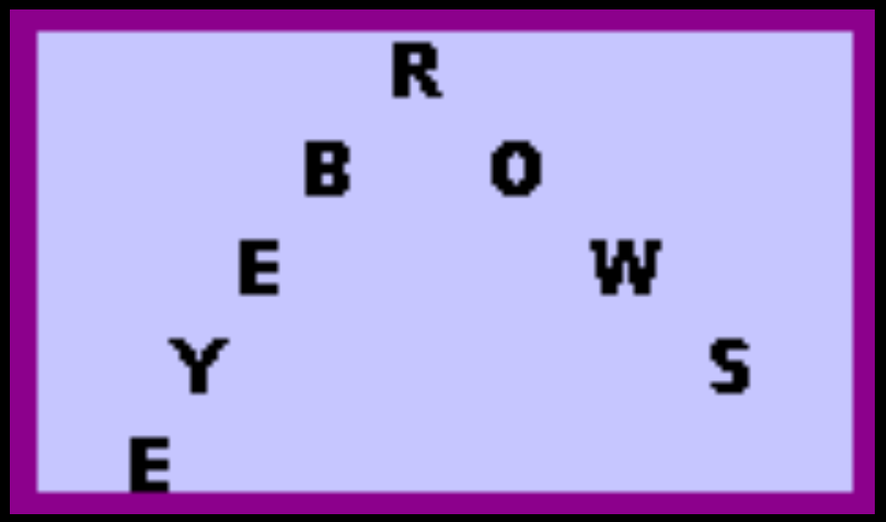
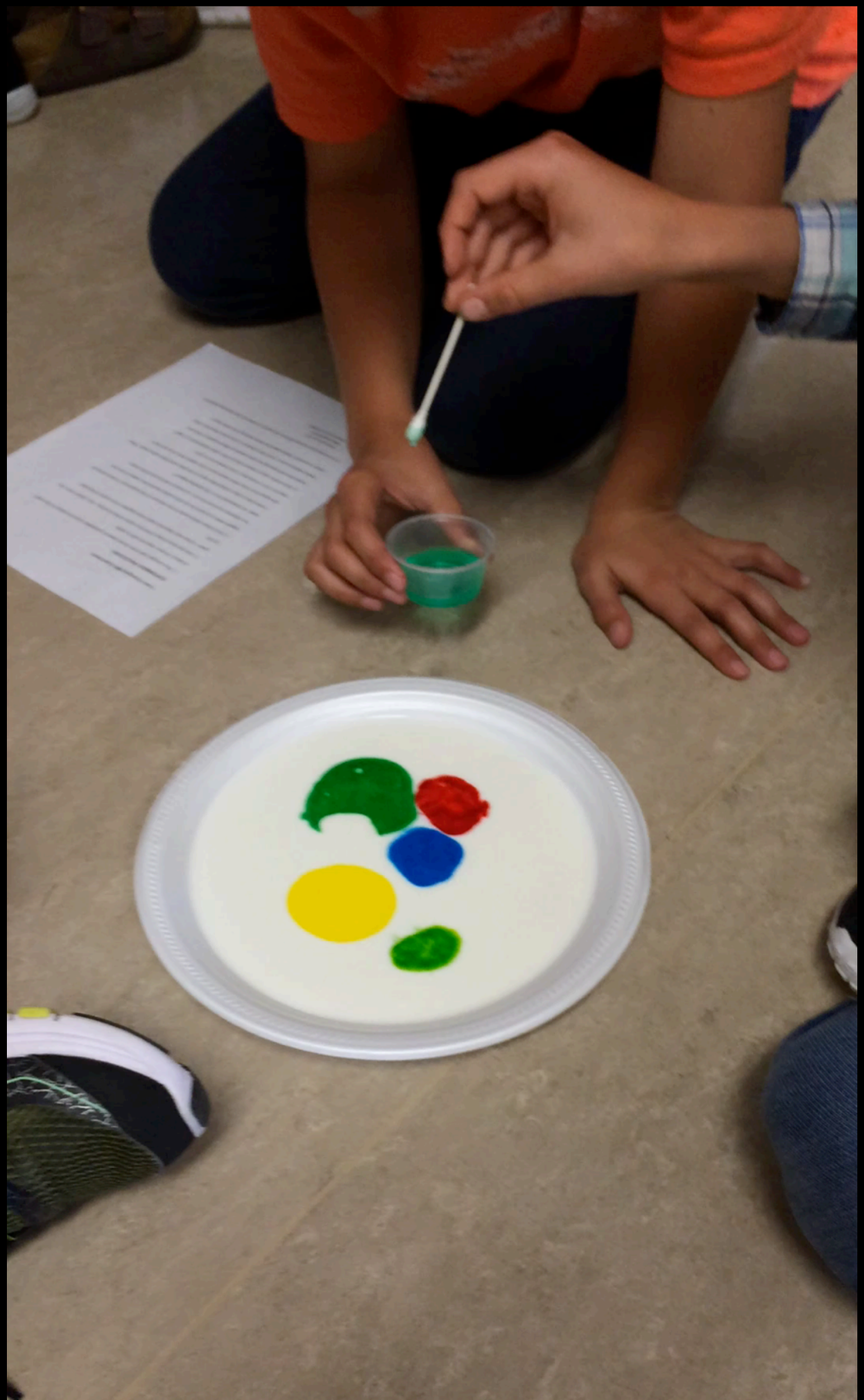
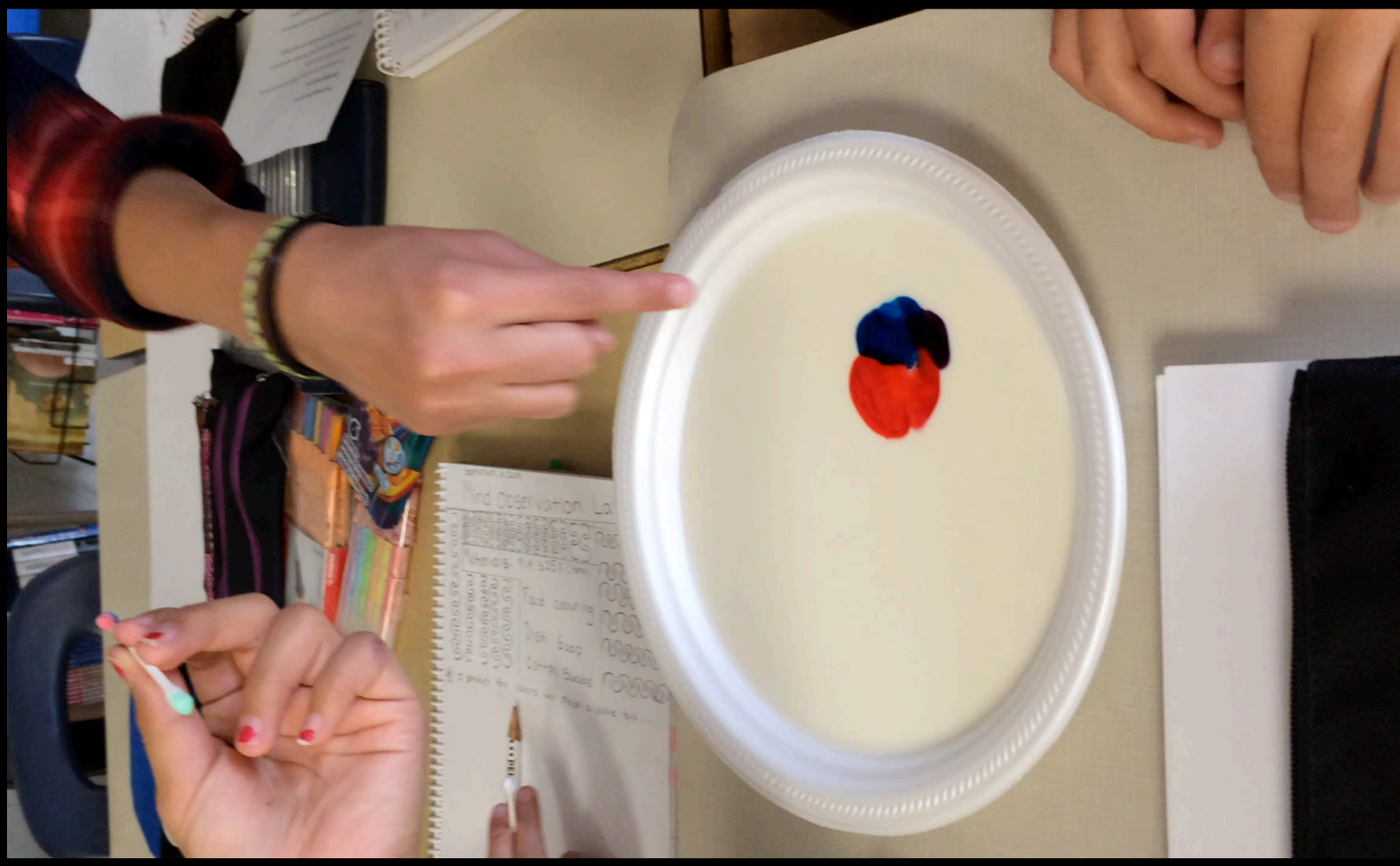
Sept 7th, 2016

You will need a pencil
and your visual journal

Try these brainteasers out







Colourful Explosion

- Observations
- New Test
- Theories

Four- 4's

Think- Pair - Share

Try to find every number from 1 to 20 using only four 4's- all four of them have to be used each time- and any *operation*.

Think (Independent) 5 min

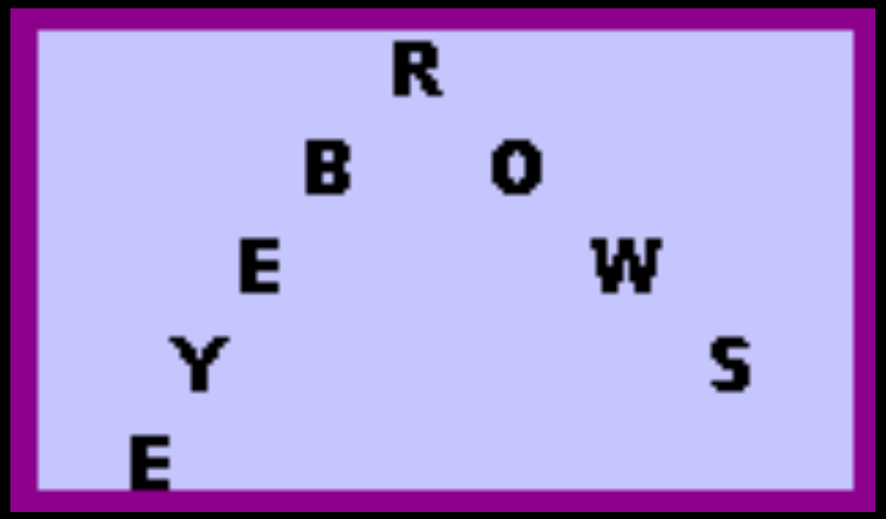
Pair (bounce ideas off one another in your group)

Share (share your solutions with the class)

You need your visual journal and a pencil

Aoccdrnig to rscheearch at an Elingsh uinervtisy, it deosn't mttaer in waht oredr the ltteers in a wrod are, olny taht the frist and lsat ltteres are at the rghit pcleas. The rset can be a toatl mses and you can sitll raed it wouthit a porbelm. Tihs is bcuseae we do not raed ervey lteter by ilstef, but the wrod as a wlohe.

Sept 9th, 2016



TEEF

FEET

TEEF

Try solving the following equation using pencil and paper

$$3 \times 4 - 8 \div 2$$

Now try using a calculator

$3 \times 4 - 8 \div 2$

What do you notice?

Now try using adding brackets to change your answer. How many different solutions can you come up with?

$$3 \times 4 - 8 \div 2$$

Look at the following equations. Insert brackets to make the solution true.

$$2 + 3 \times 6 + 9 = 47$$

$$2 + 3 \times 6 + 9 = 39$$

You can use a calculator to help you

Order of Operations

Brackets ( )

Exponents n^x

Divide ÷ ┐
Multiply × ┘ in the order they appear

Add + ┐
Subtract − ┘ in the order they appear