



# **FRACTION ART**

**BY CLASS 501  
Pioneer Academy**

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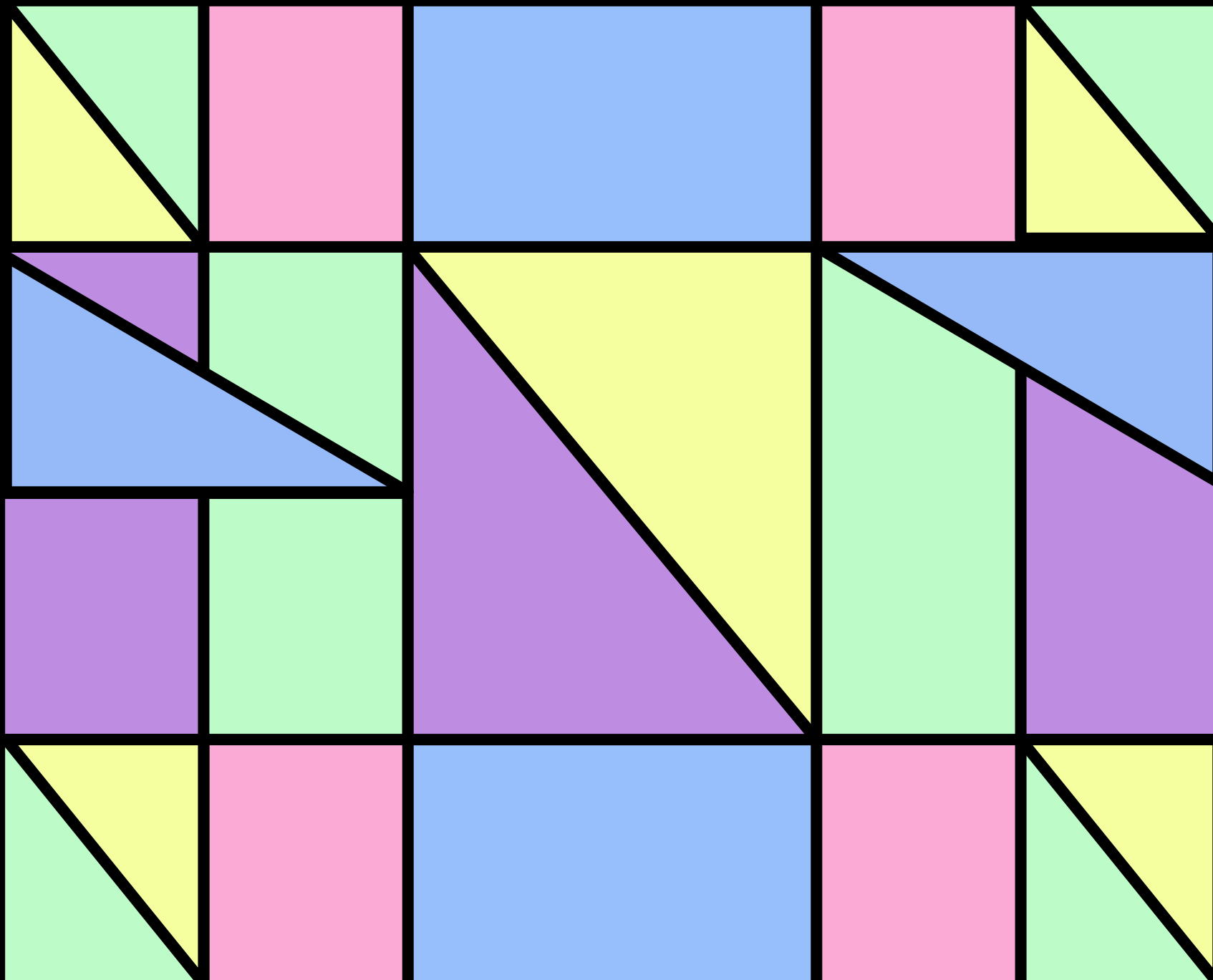
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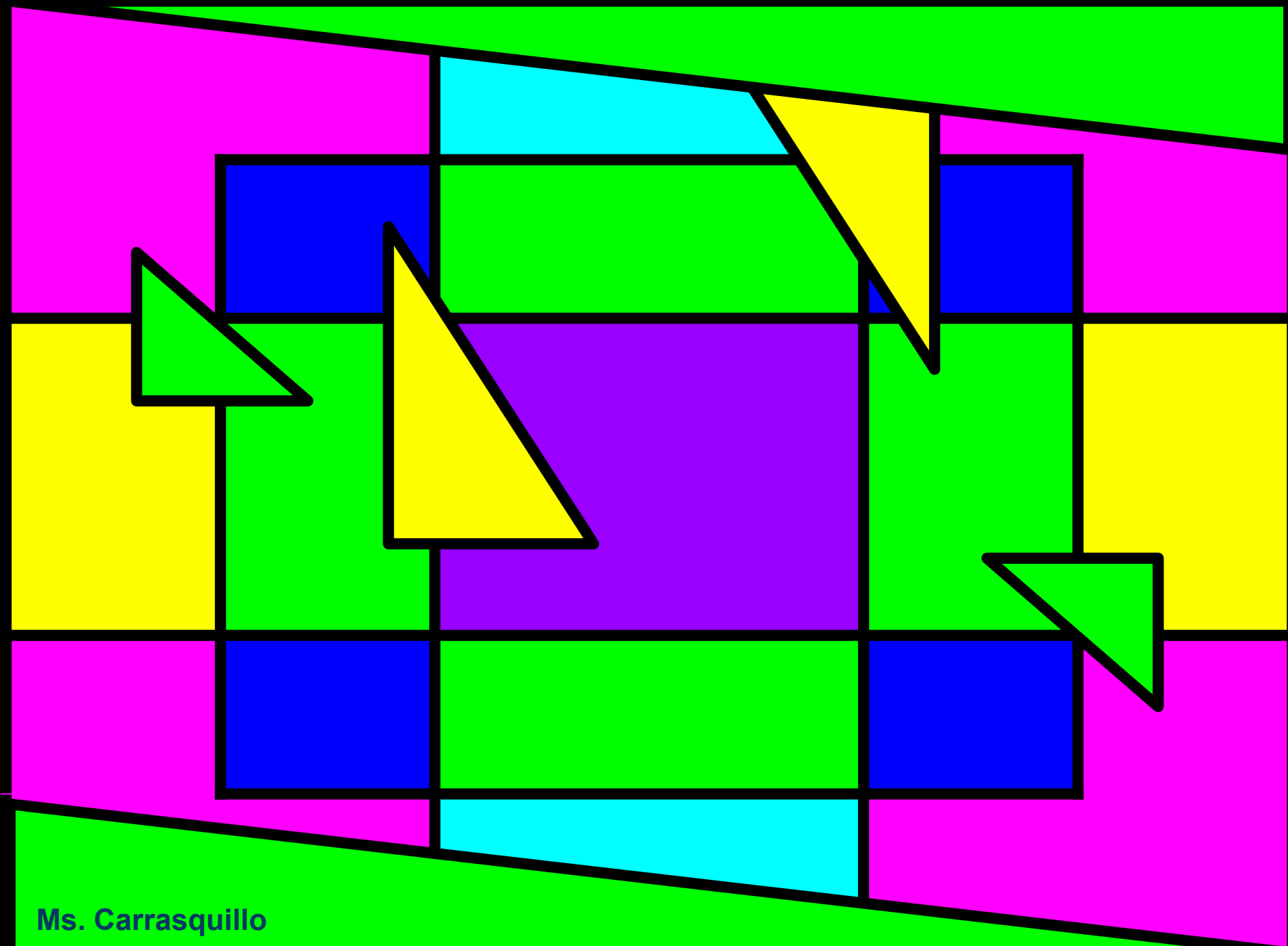
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Ms. Carrasquillo

## INTRODUCTION

The world of art and mathematics can unleash creativity, artistic abilities, and a strong understanding of math concepts in a child. Art deals with visual relationships of parts of a whole, and mathematics is all about numeric and geometric relationships. If you combine the two together, you are left with a world of the unknown. This book involves both art and mathematics.

At the end of this project, scholars developed a deeper understanding of fractions and became comfortable with this strand. They had an opportunity to practice adding, subtracting, and multiplying fractions while finding equivalent measures. Scholars created questions about their masterpieces making sure their audience understood their work both as an artist and a mathematician. Have fun viewing our art and answering our questions.

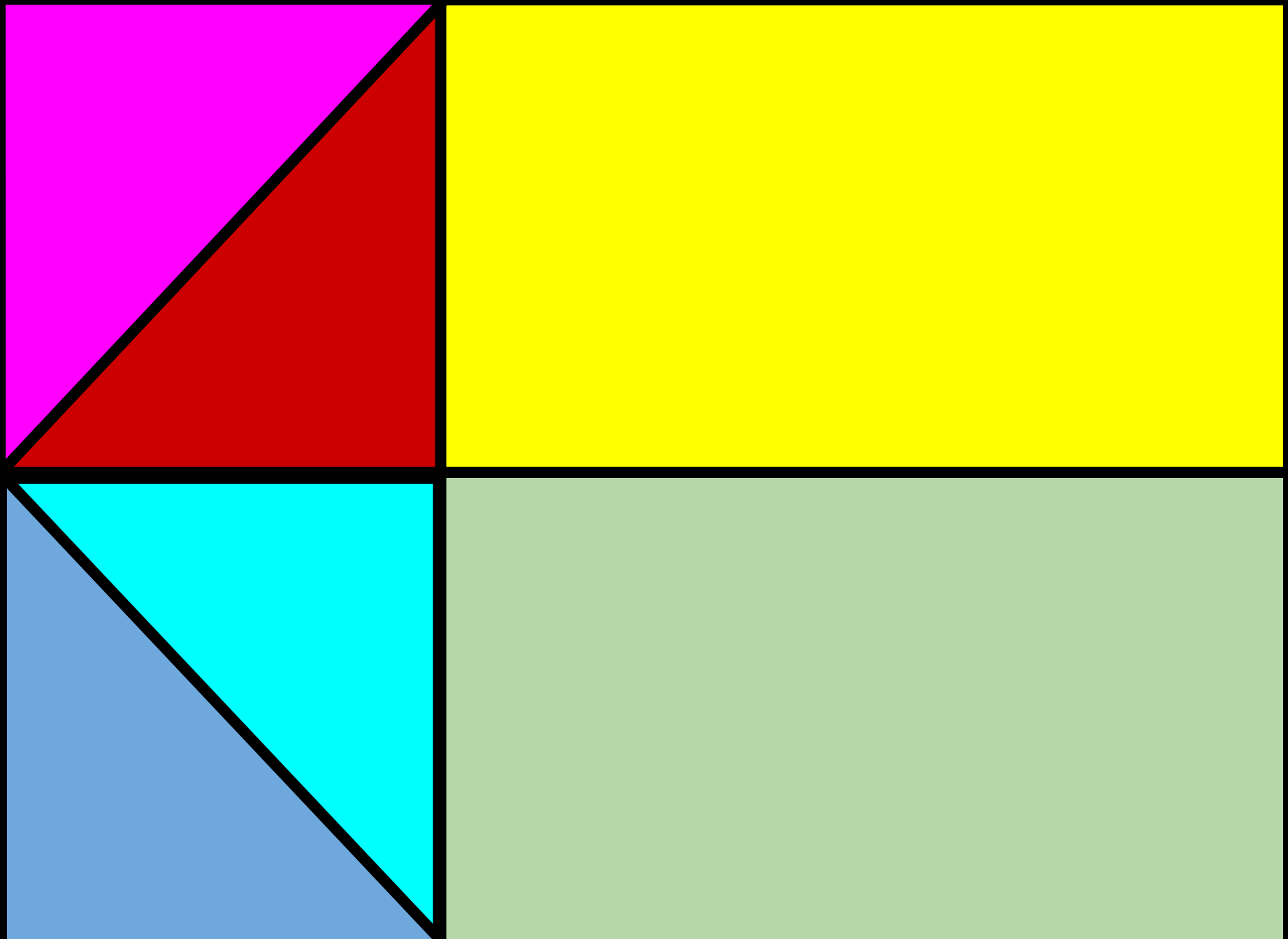




# ***Wacky Circus by Alexander Yumbla***

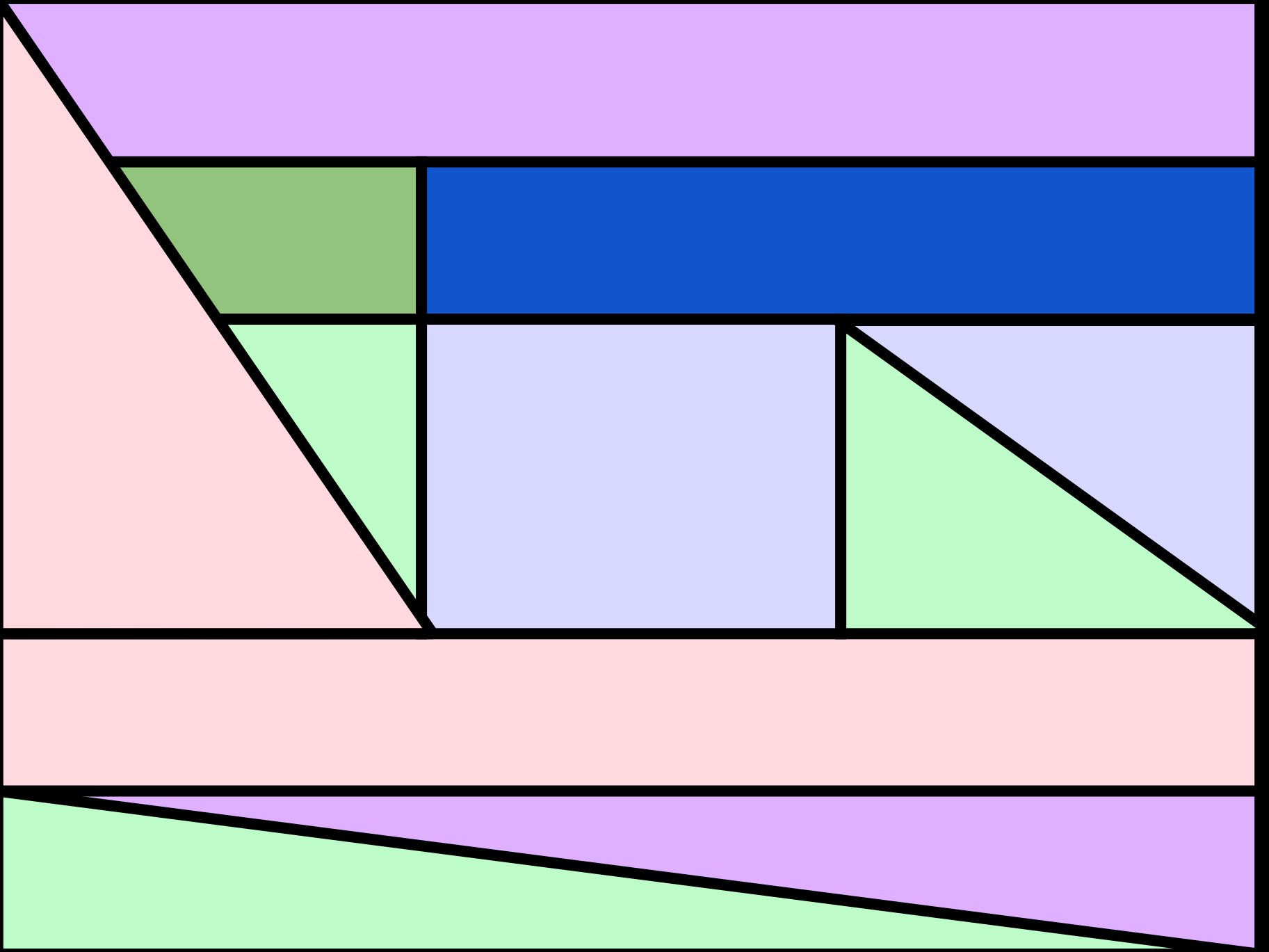
- 1. What is the value of the red triangle?***
- 2. What is the value of both rectangles?***
- 3. What multiplication equation can be used to represent all the triangles?***





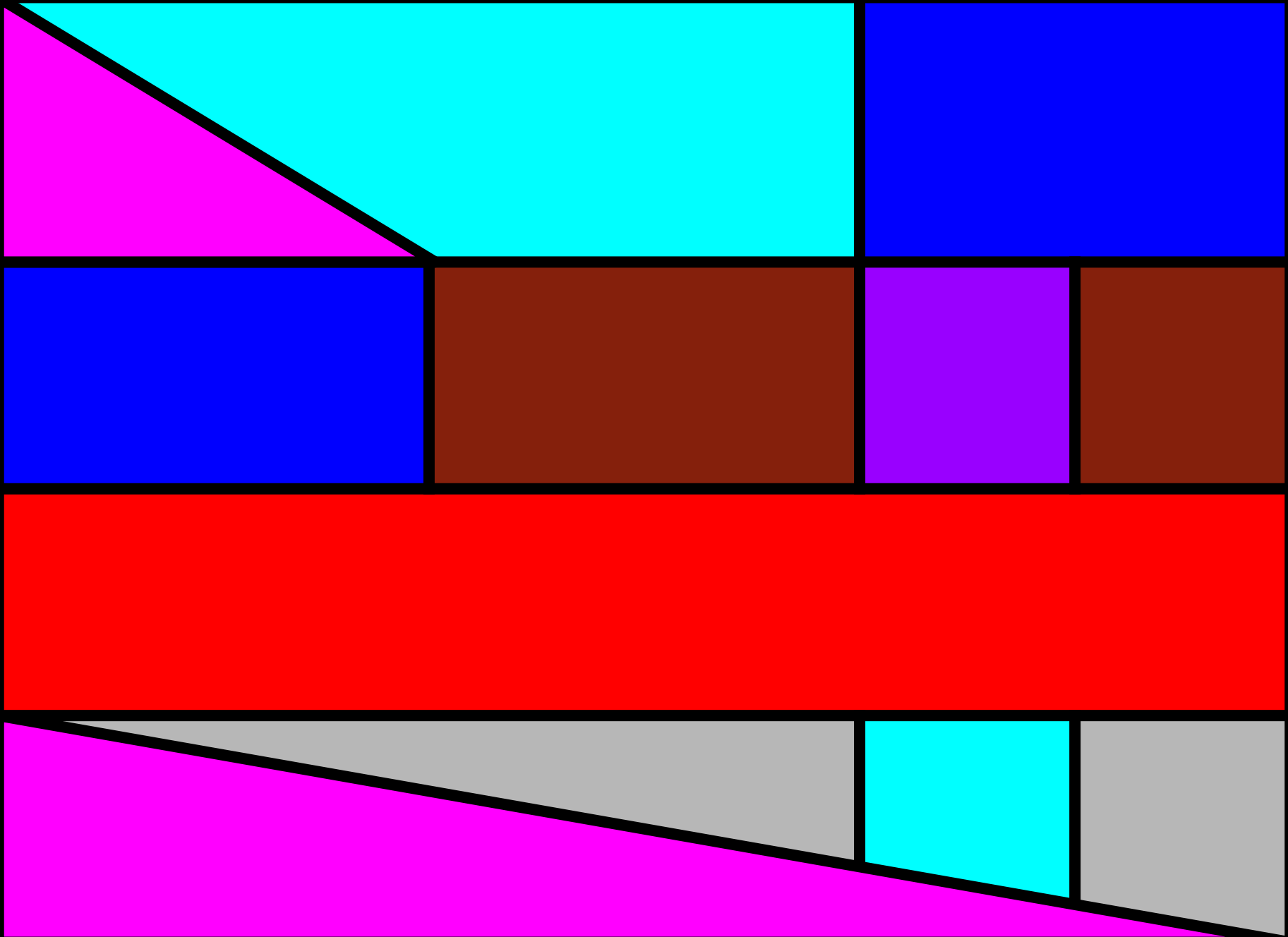
# Cat Fraction by April Ilivichuzhca

1. What is the value of the large light green right triangle?
2. What is the value of all of the green triangles?
3. What is the value of the light magenta triangle?



# **Crazy Colors by Christian Meneses**

- 1. What is the value of the red rectangle?***
- 2. What is the value of the magenta triangles?***
- 3. If is the value of the purple square?***

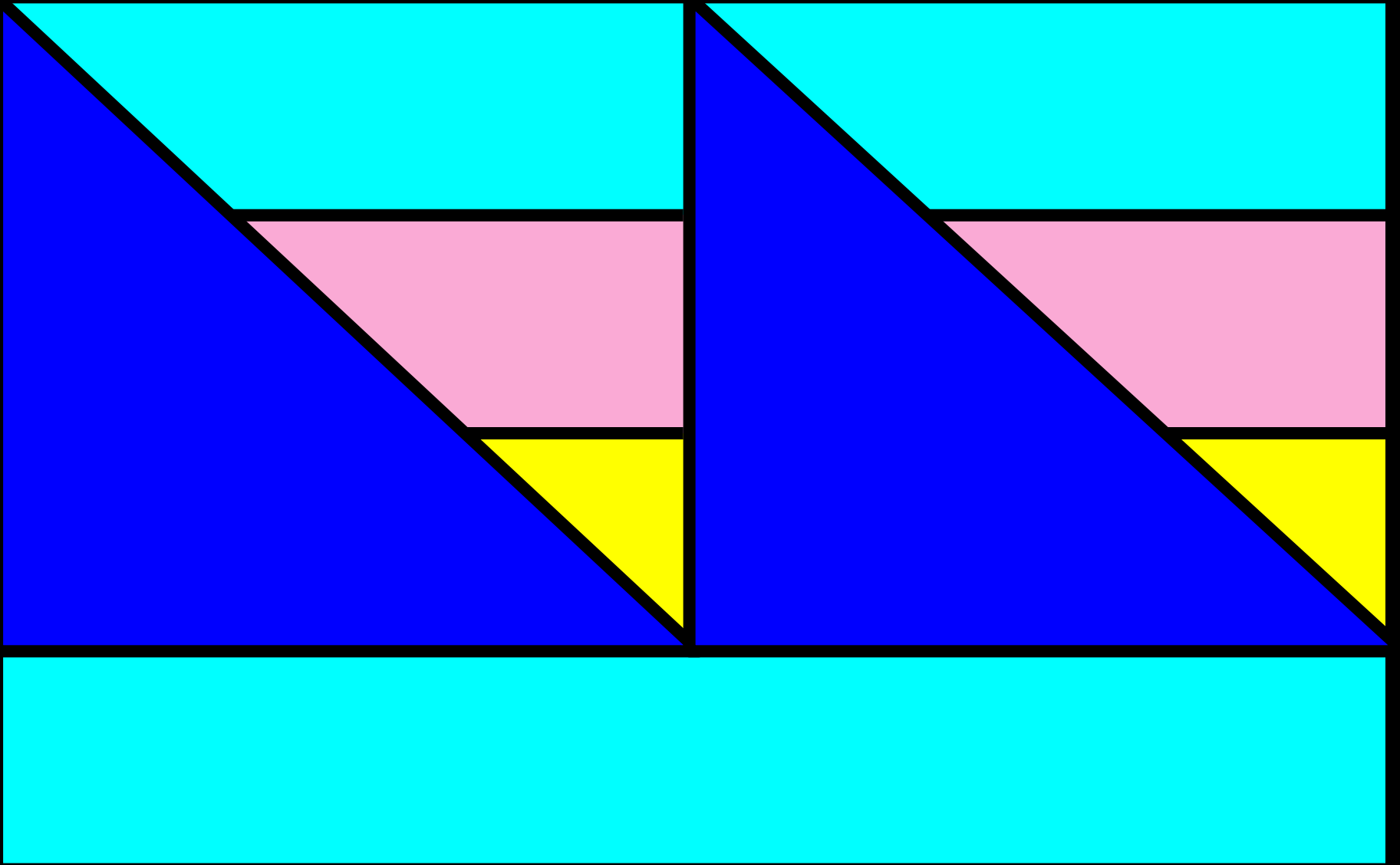




A hand holding a pink cotton candy against a blue sky with a Ferris wheel in the background.

# *Cotton Candy World by Keyoshi Carr*

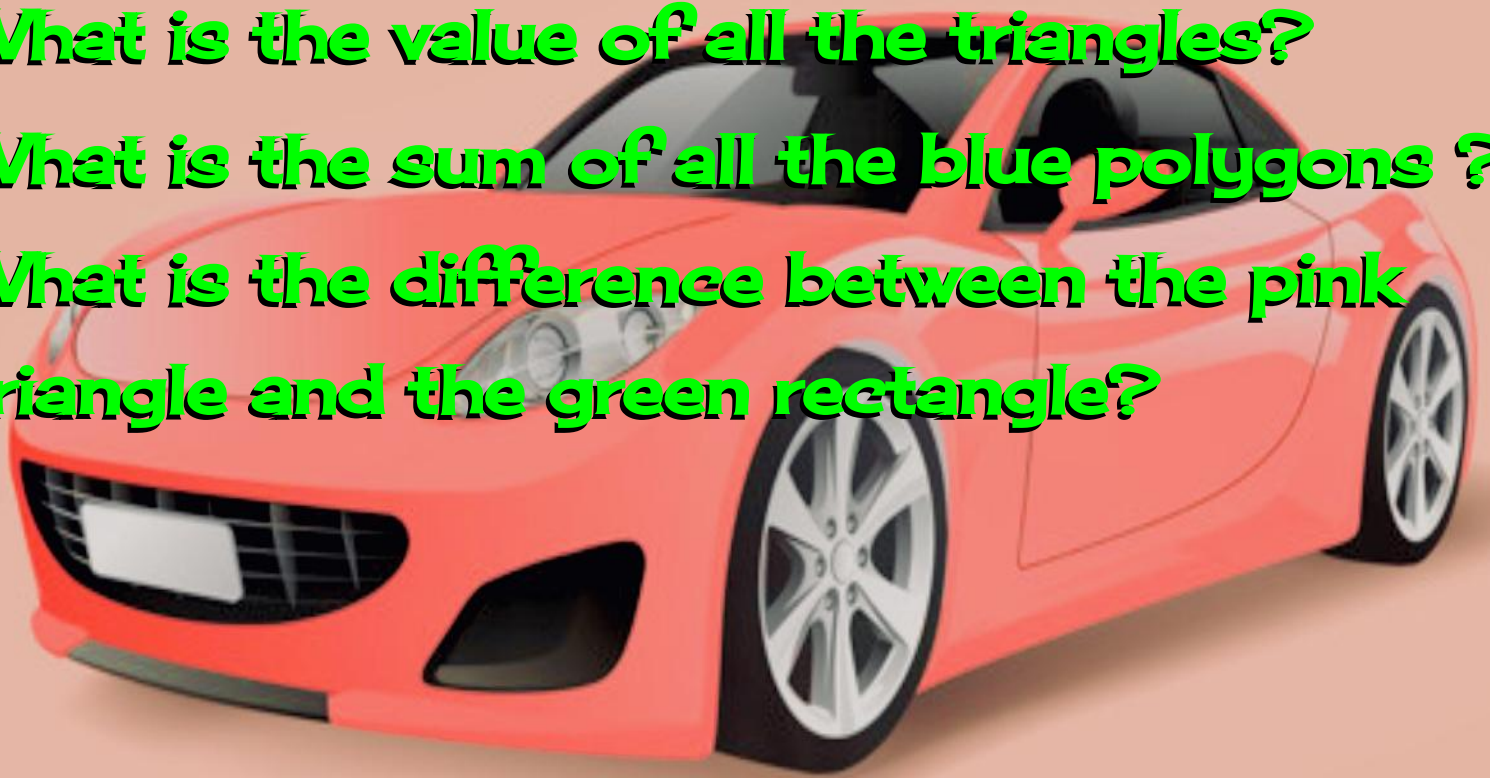
- 1. What is the value of the blue triangle?*
- 2. What is the value of the yellow triangles?*
- 3. What multiplication equation can be used to represent the blue triangles?*
- 4. What is the value of all the triangles?*

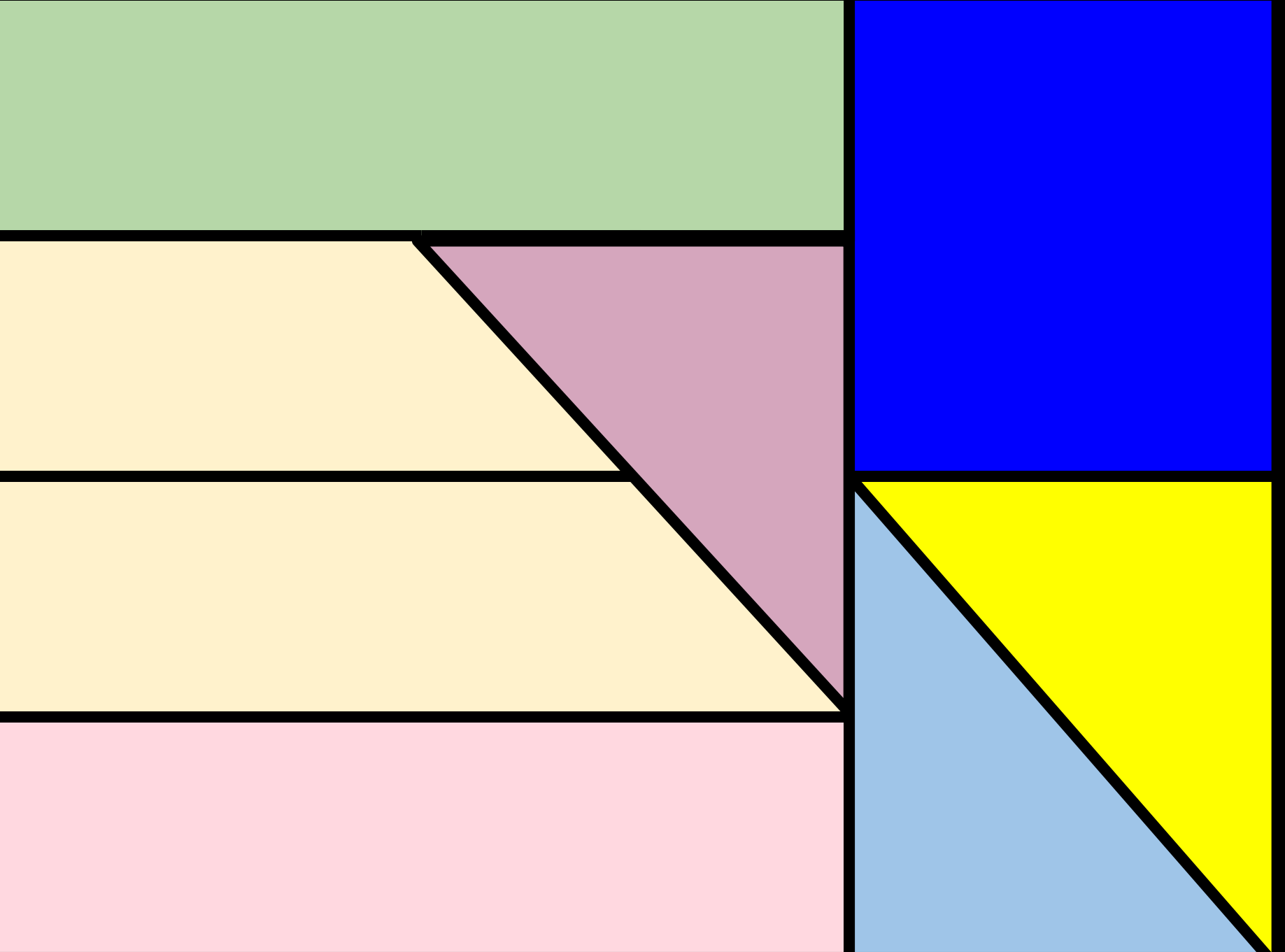




# Parking By Keyla Padilla

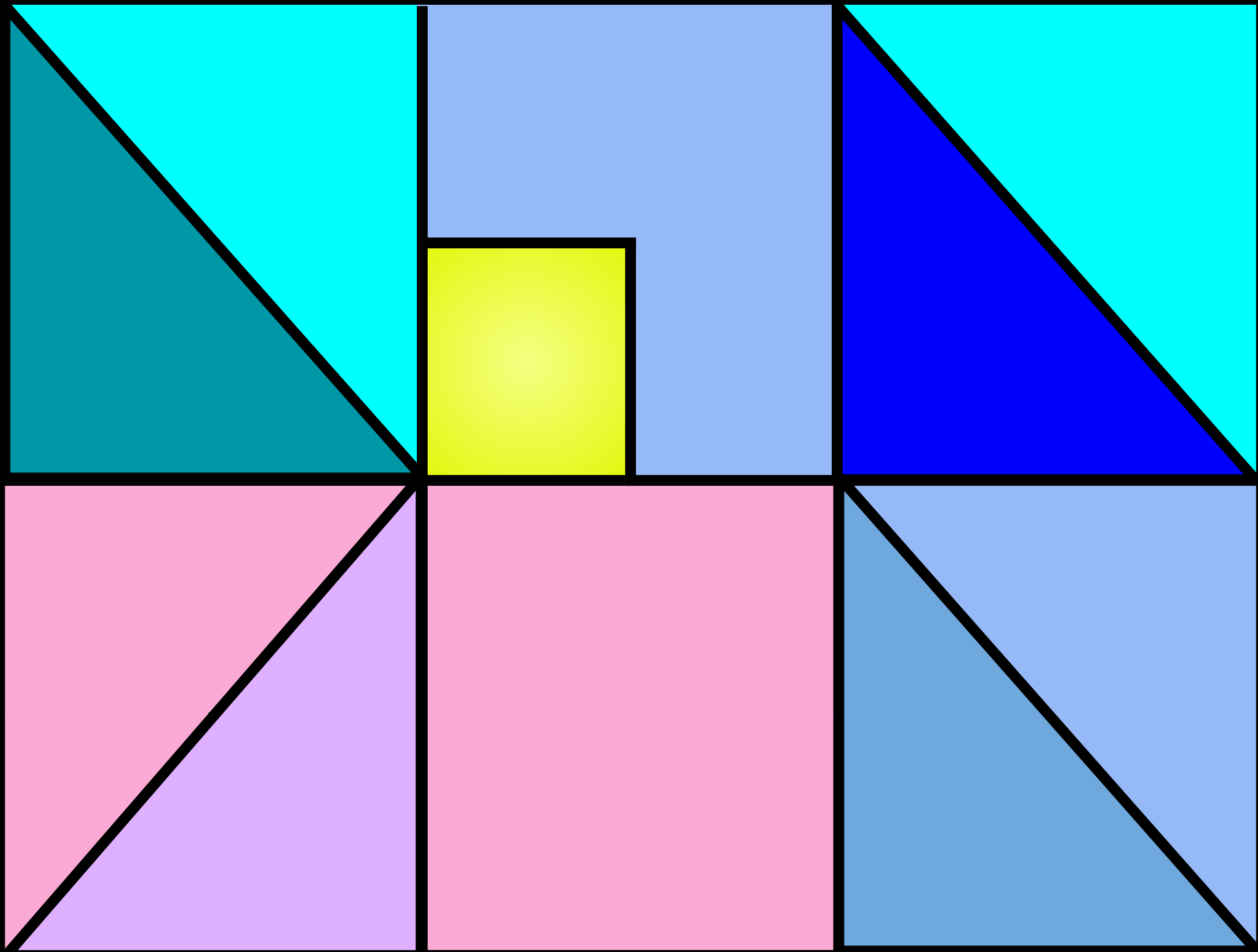
1. What is the value of all the triangles?
2. What is the sum of all the blue polygons ?
3. What is the difference between the pink triangle and the green rectangle?





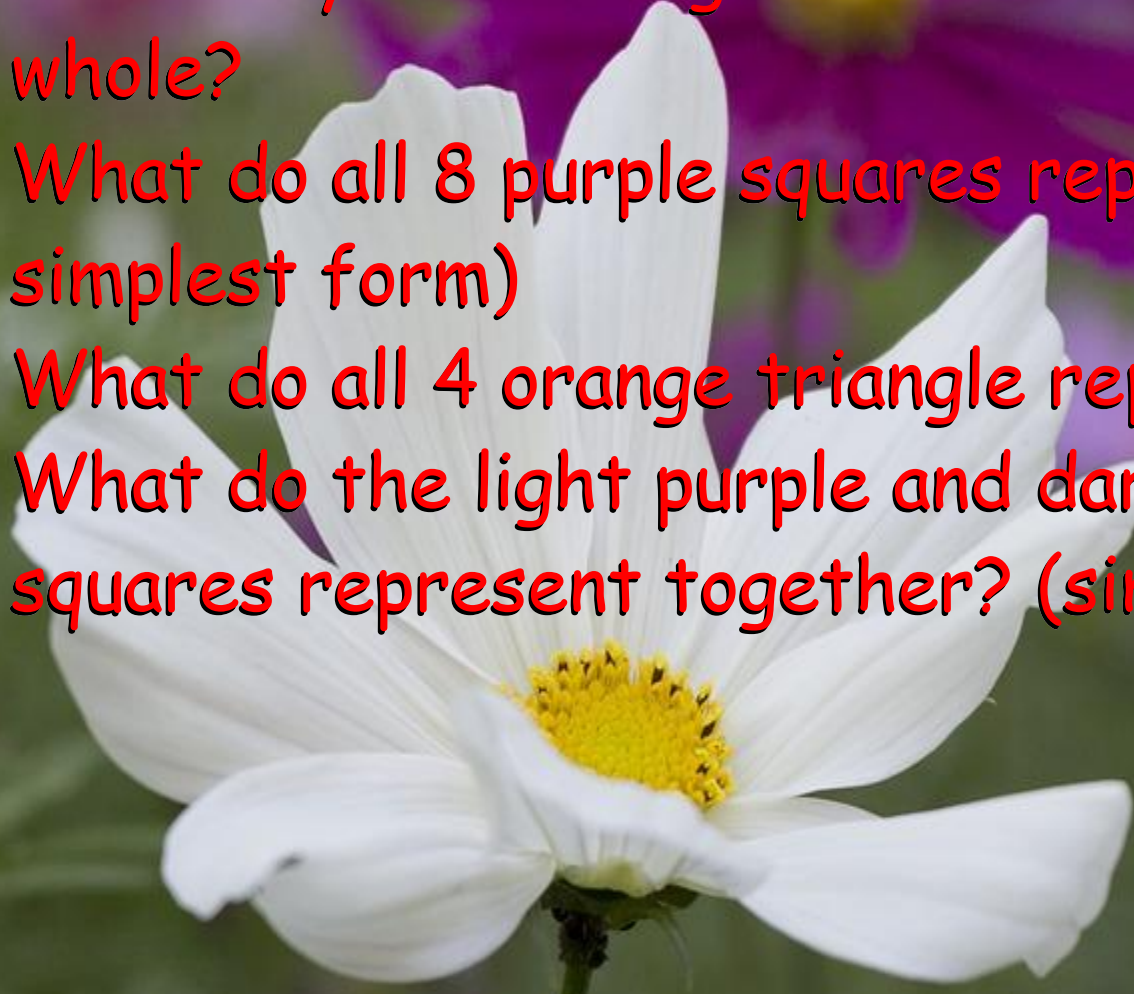
## *The Rainbow Art by Lindsay Ramos <3*

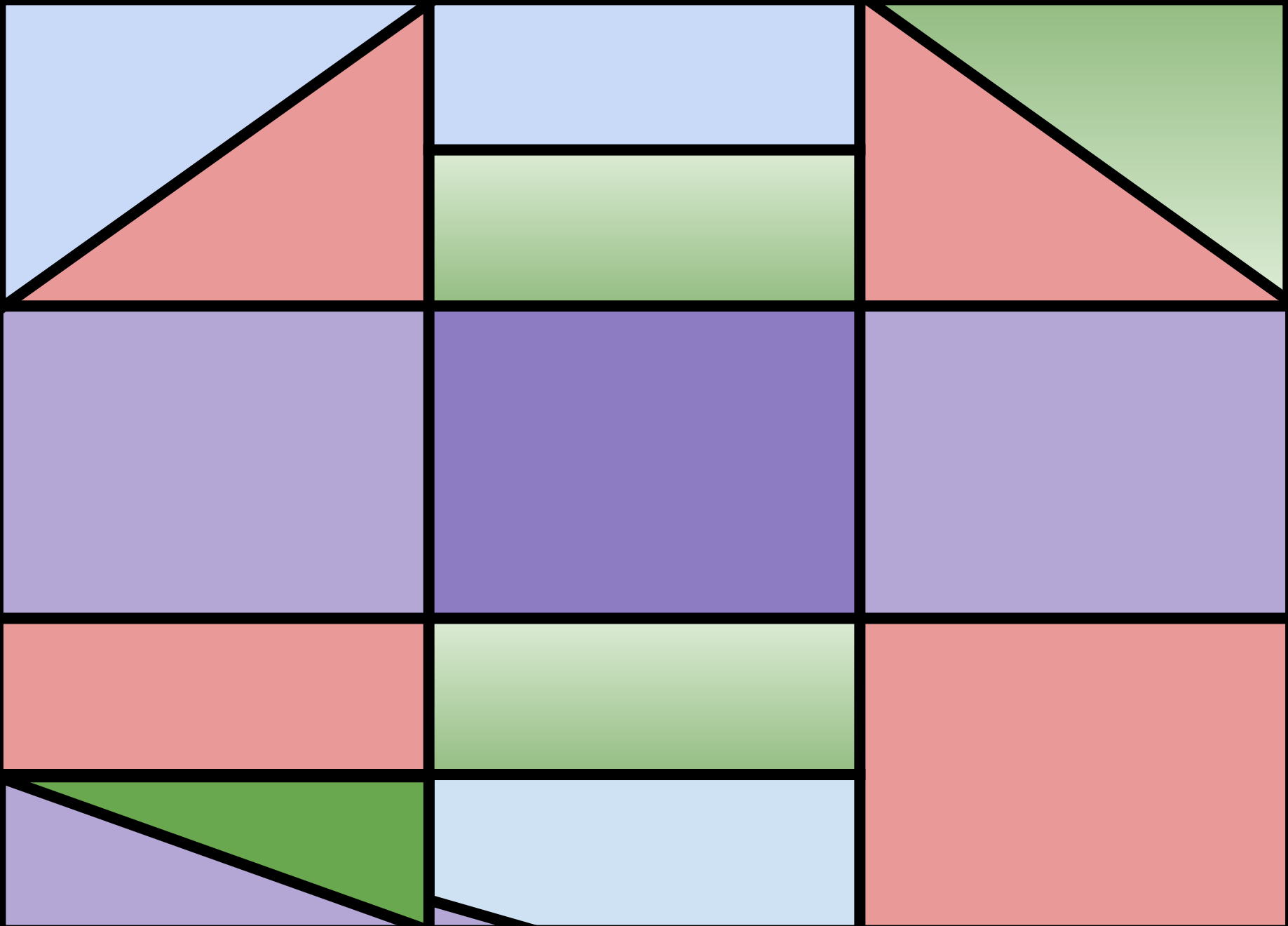
1. What is the value the light red square?
2. What is the fraction value for all cyan polygons and light cornflower blue polygons?
3. What multiplication equation could be used to represent of the triangles?





## Daisy by Ludim Tipan (Edited by Yordanis)

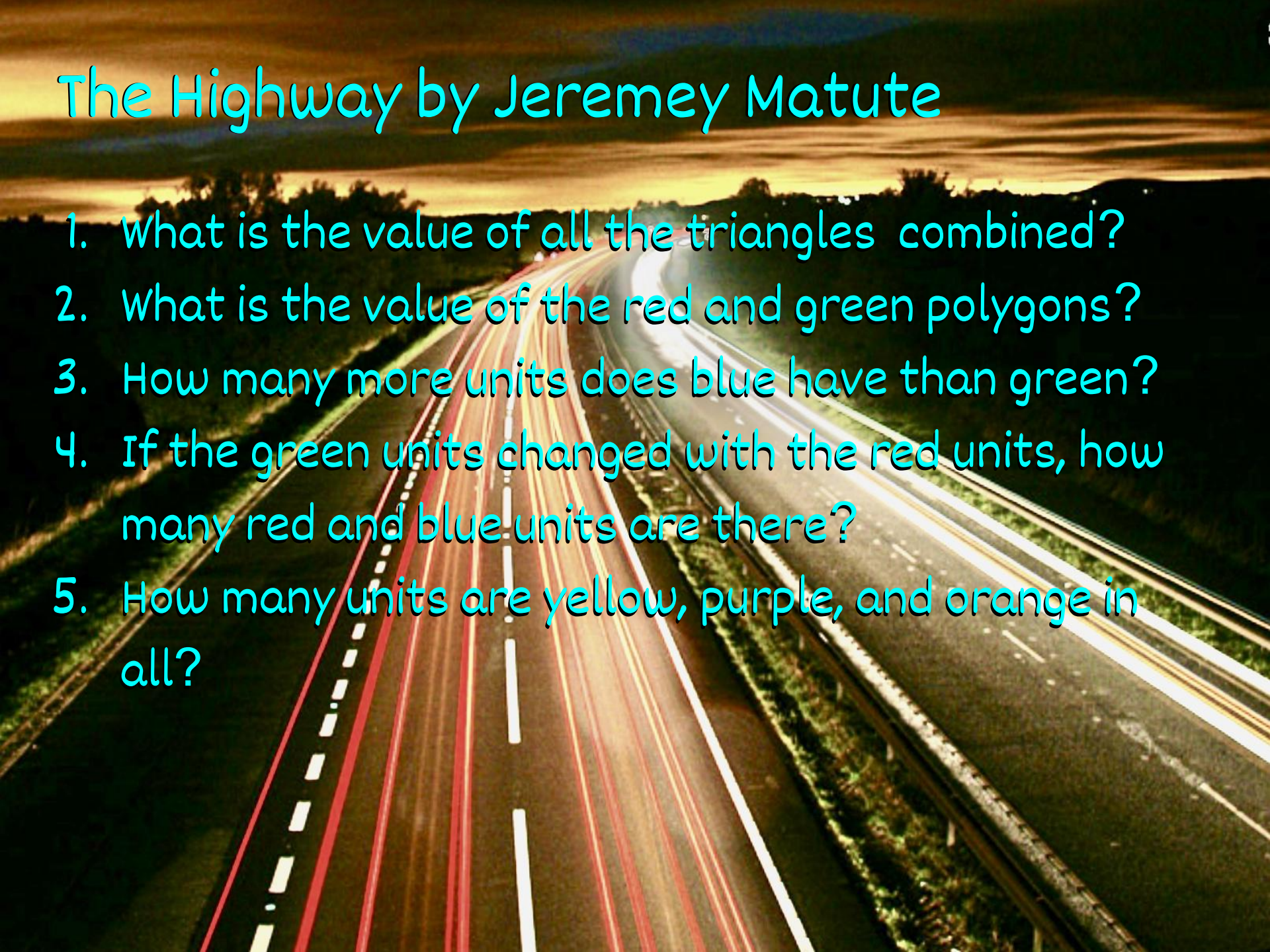
1. How many red triangles would it take to fill the whole?
  2. What do all 8 purple squares represent? (In its simplest form)
  3. What do all 4 orange triangle represent?
  4. What do the light purple and dark green squares represent together? (simplest form)
- 



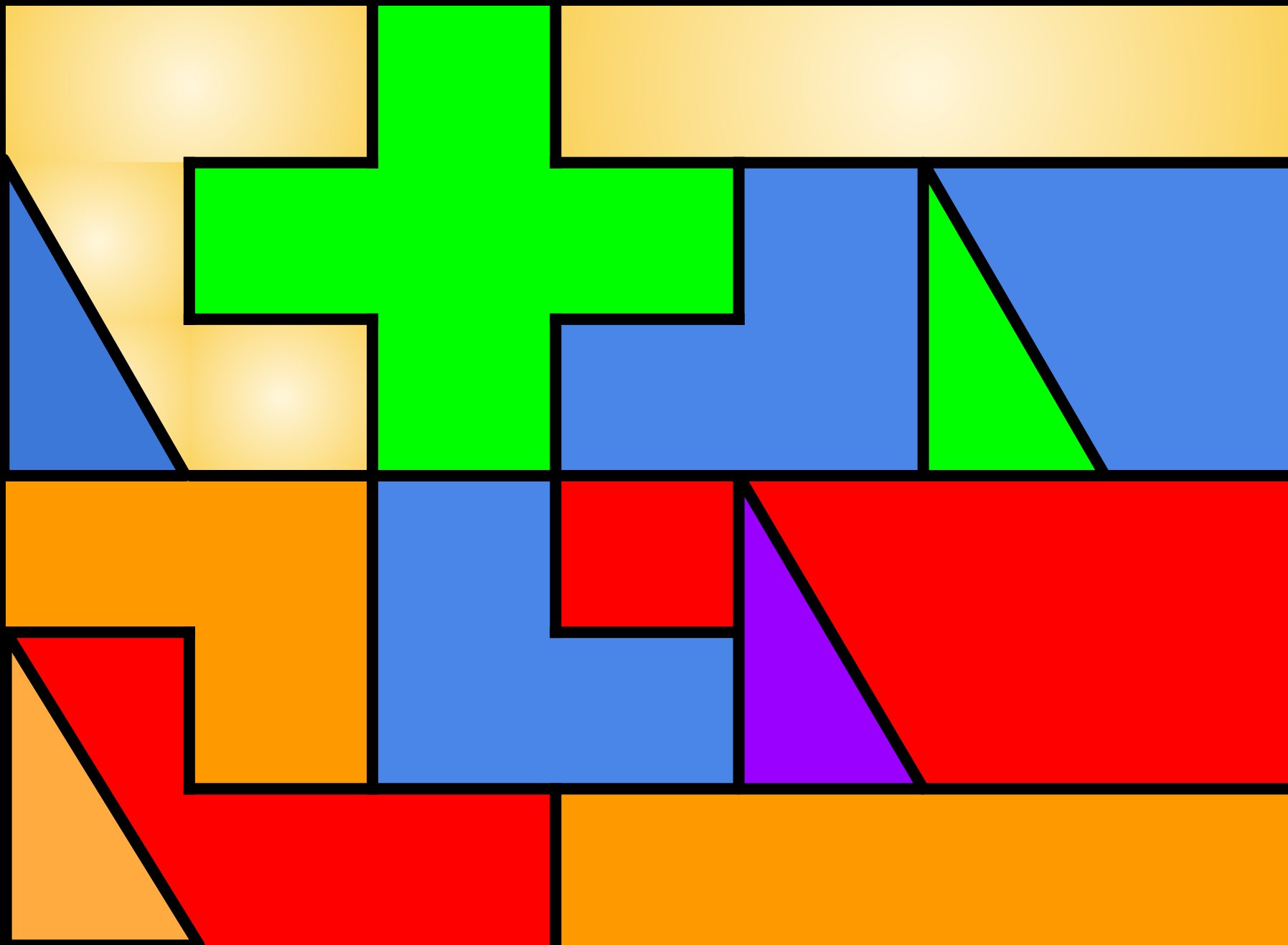


# The Highway by Jeremy Matute

1. What is the value of all the triangles combined?
2. What is the value of the red and green polygons?
3. How many more units does blue have than green?
4. If the green units changed with the red units, how many red and blue units are there?
5. How many units are yellow, purple, and orange in all?

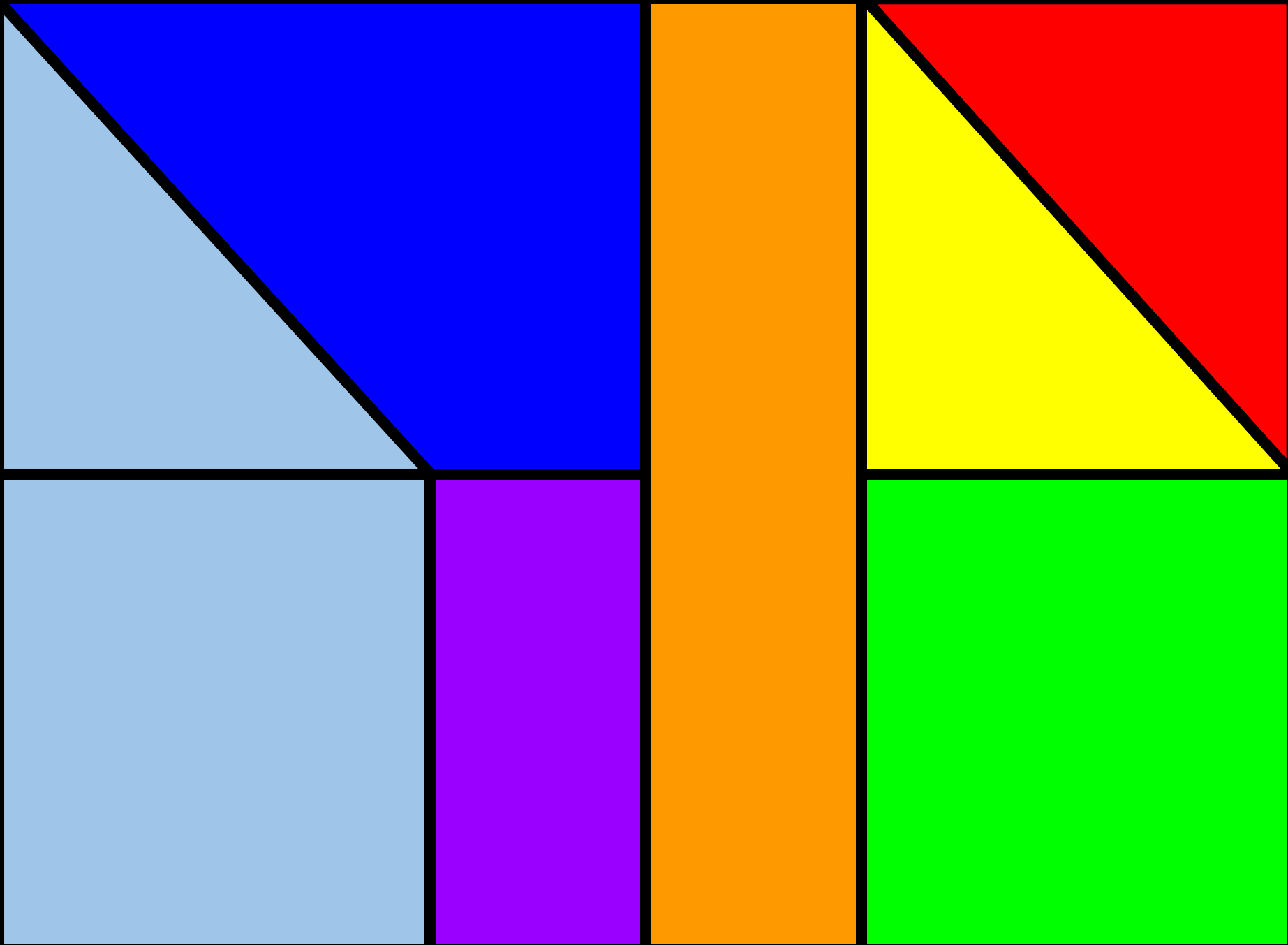






## ***Football World by Pablo Simbana***

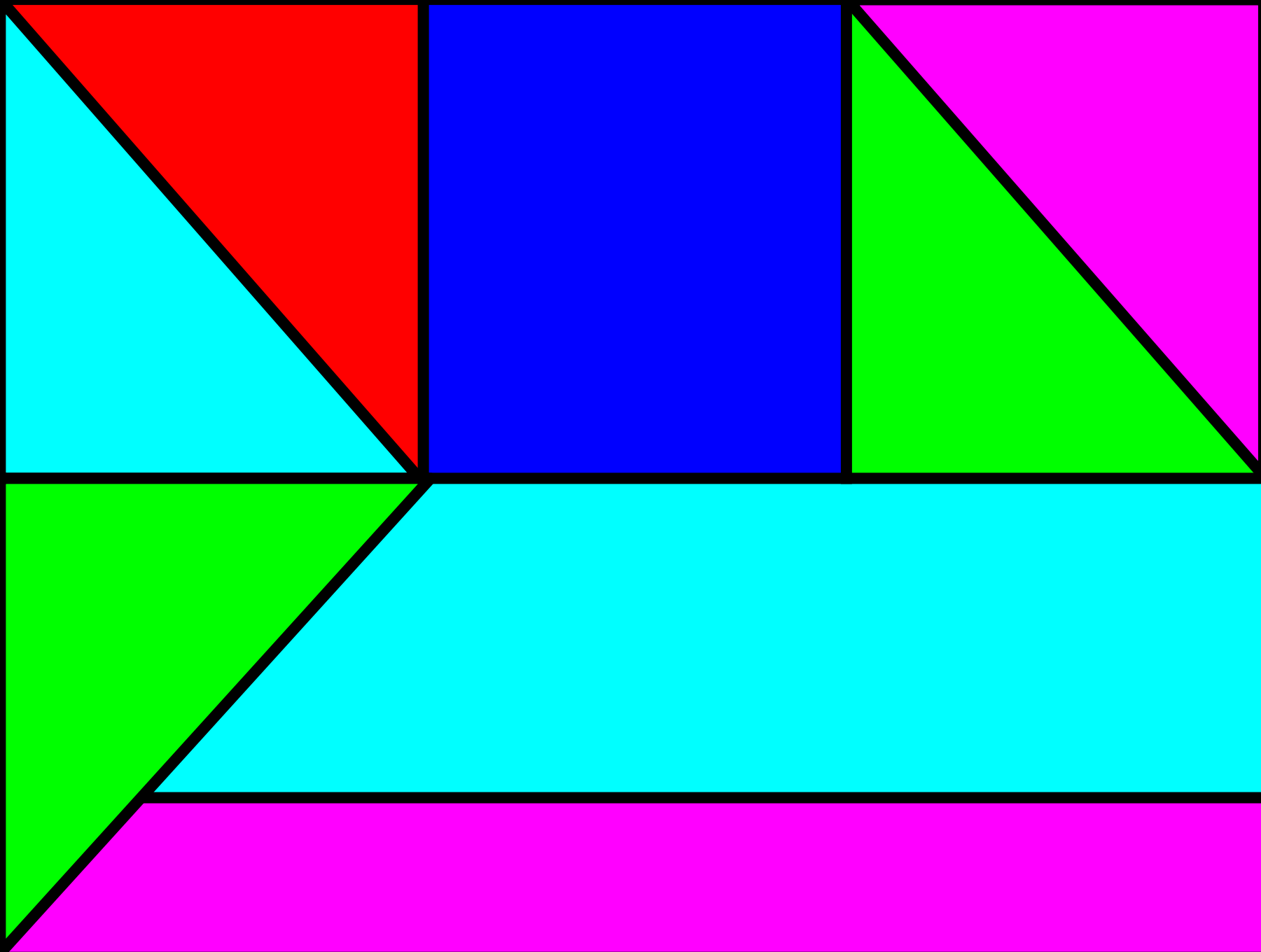
- 1. What fraction of the whole does the red right triangle represent?***
- 2. What fraction of the whole does all the triangles represent?***
- 3. What division equation could be used to represent the area represented by the orange and purple rectangles?***





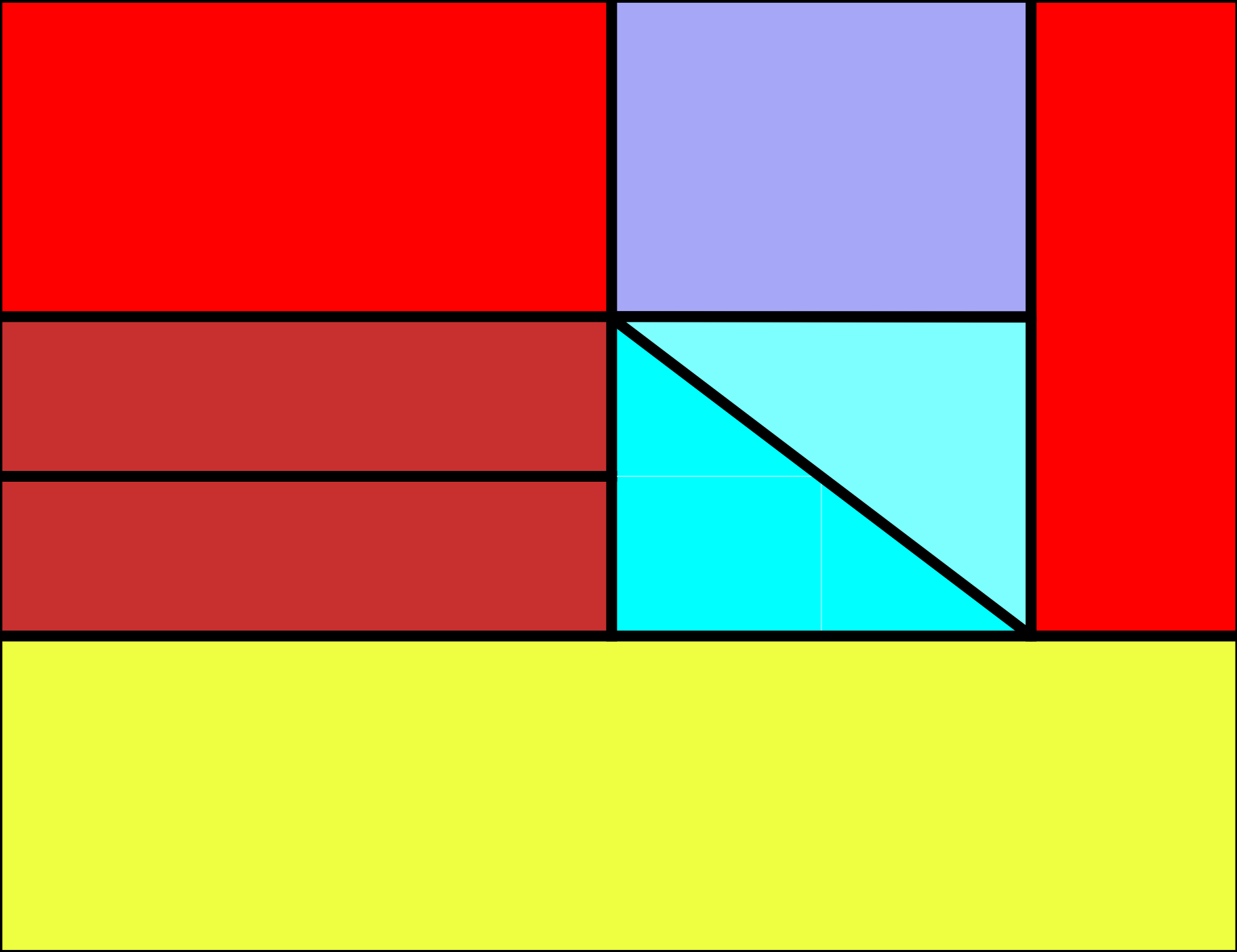
# *HANDY MANDY BY EDWARD REYES*

- 1. WHAT IS THE VALUE OF THE LIGHT BLUE TRIANGLE?*
- 2. WHAT MULTIPLICATION EQUATION CAN BE USED TO REPRESENT ALL THE TRIANGLES?*
- 3. IF THE GREEN TRIANGLE REPRESENTS THE WHOLE HOW MUCH WOULD THE MAGENTA TRIANGLE REPRESENT?*



# *Colorful Fraction Art by Emily Flores*

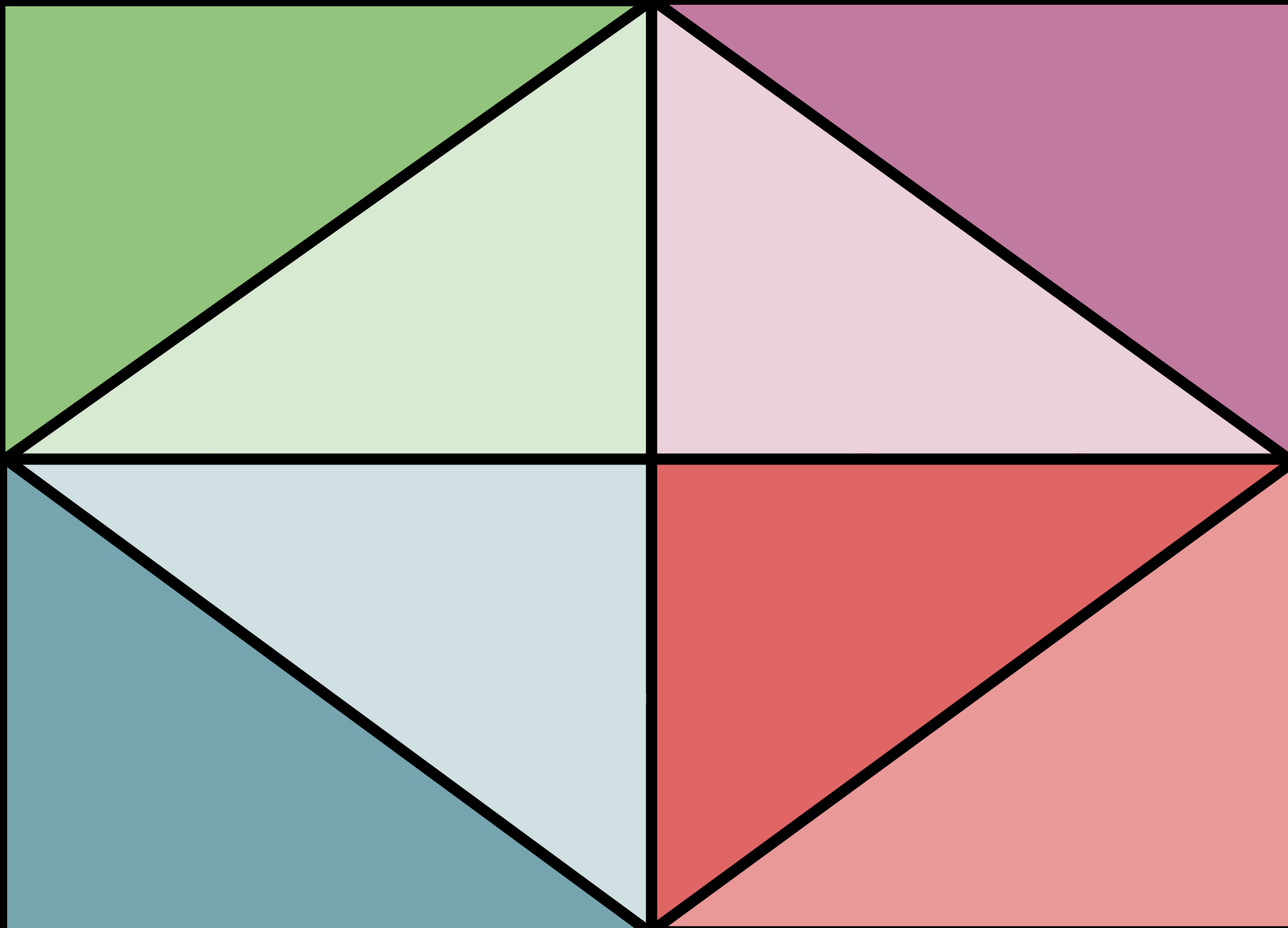
- 1. What is the value of red rectangle?*
- 2. What is the value of =the light red and cyan triangles?*
- 3. What is the value of all of the cyan polygons?*





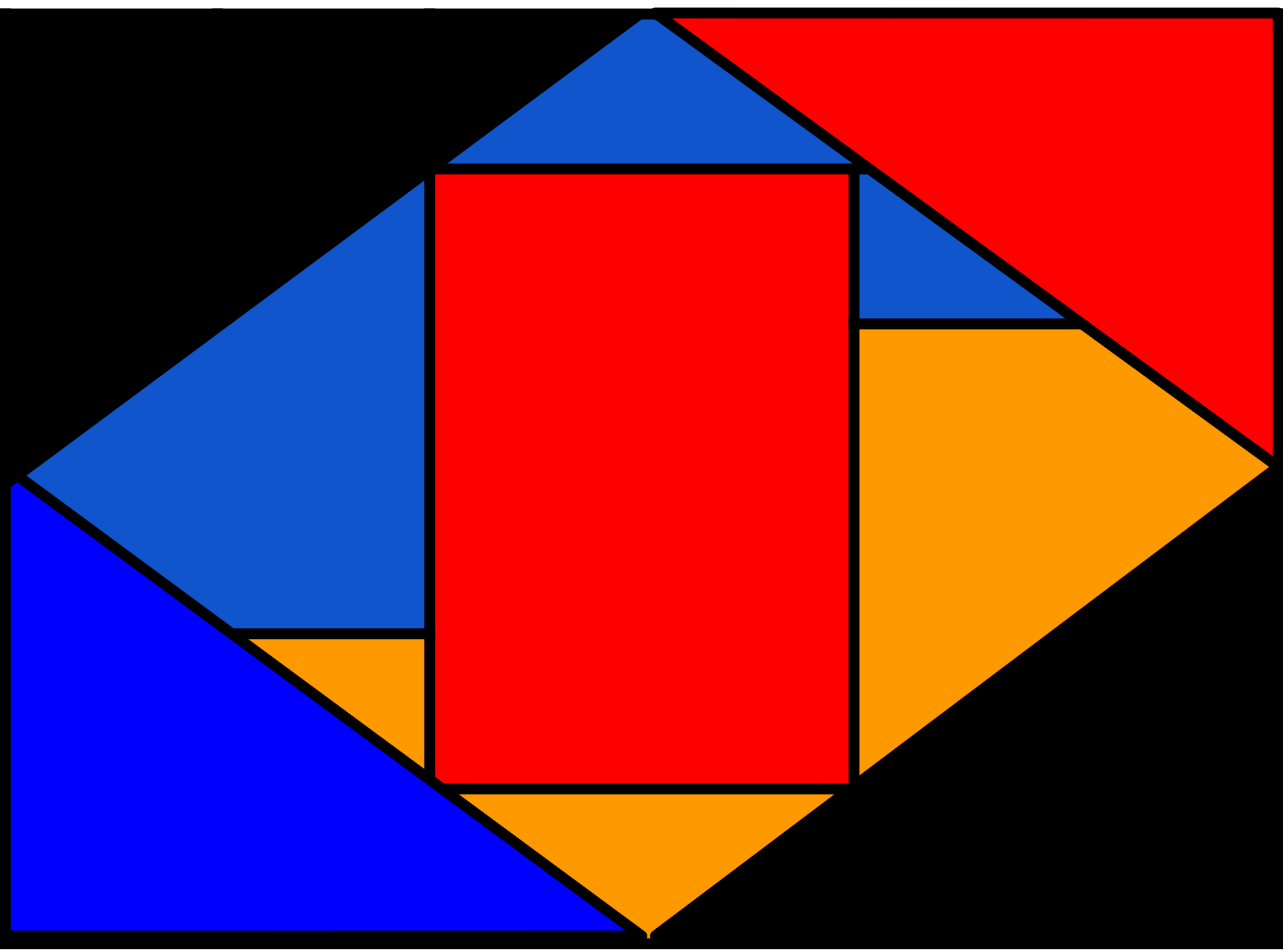
# SUGAR WORLD BY EMILY XAXOCOTECO

- 1. If I added the dark blue right triangle and the light red rectangle how many units will it be?*
- 2. If I add the light pink rectangle and dark red rectangle how many units will it be?*
- 3. If I added all the right triangles together how many units will it be?*



## **MID-PAIN BY MATTHEW VARGAS**

- 1. WHAT FRACTION DOES THE RED TRIANGLE AND RECTANGLE REPRESENT?**
- 2. WHICH POLYGON HAS THE MOST VALUE?**
- 3. WHAT IS THE VALUE OF ALL THE TRIANGLES?**
- 4. WHAT IS THE VALUE OF THE ORANGE POLYGONS?**
- 5. HOW MANY MORE UNITS DOES ORANGE HAVE DARK BLUE TRIANGLE?**



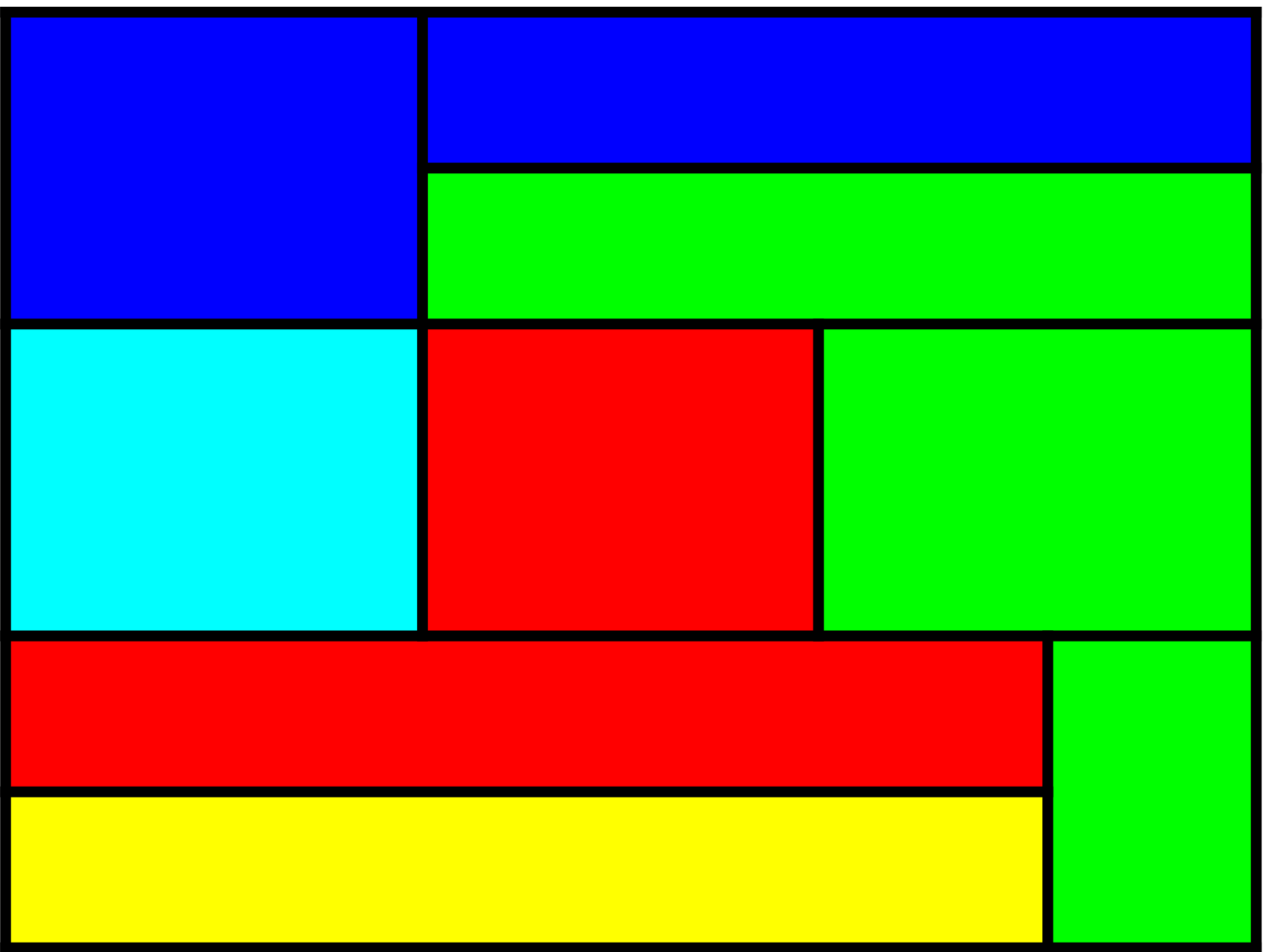


# ***Nature by Max Guaman***

***1. What fraction does the green square represent?***

***2. What fraction is the biggest out of all of them?***

***3. What fraction does red rectangle represent?***

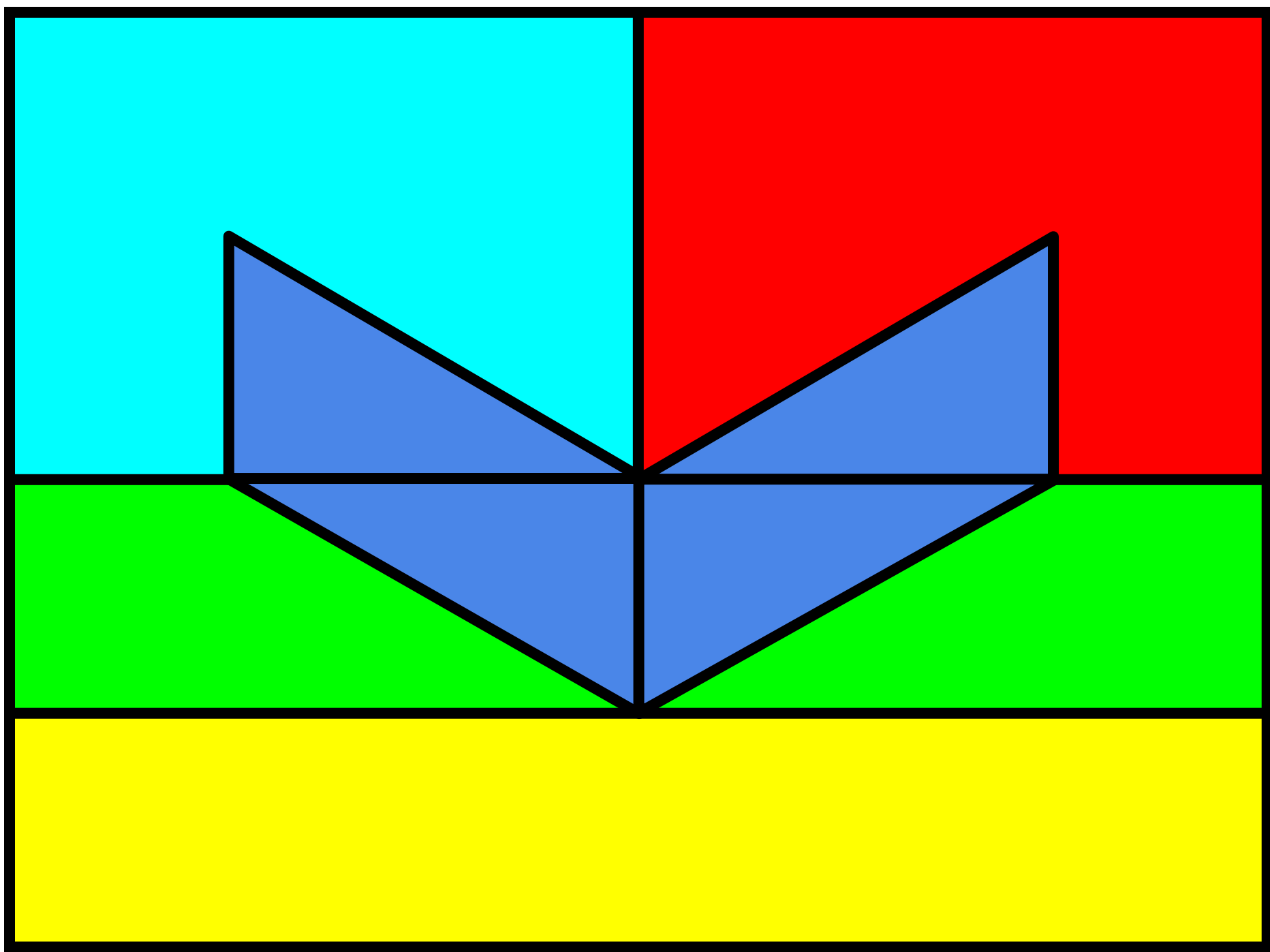




# **Fraction by Yu Lin Lin**

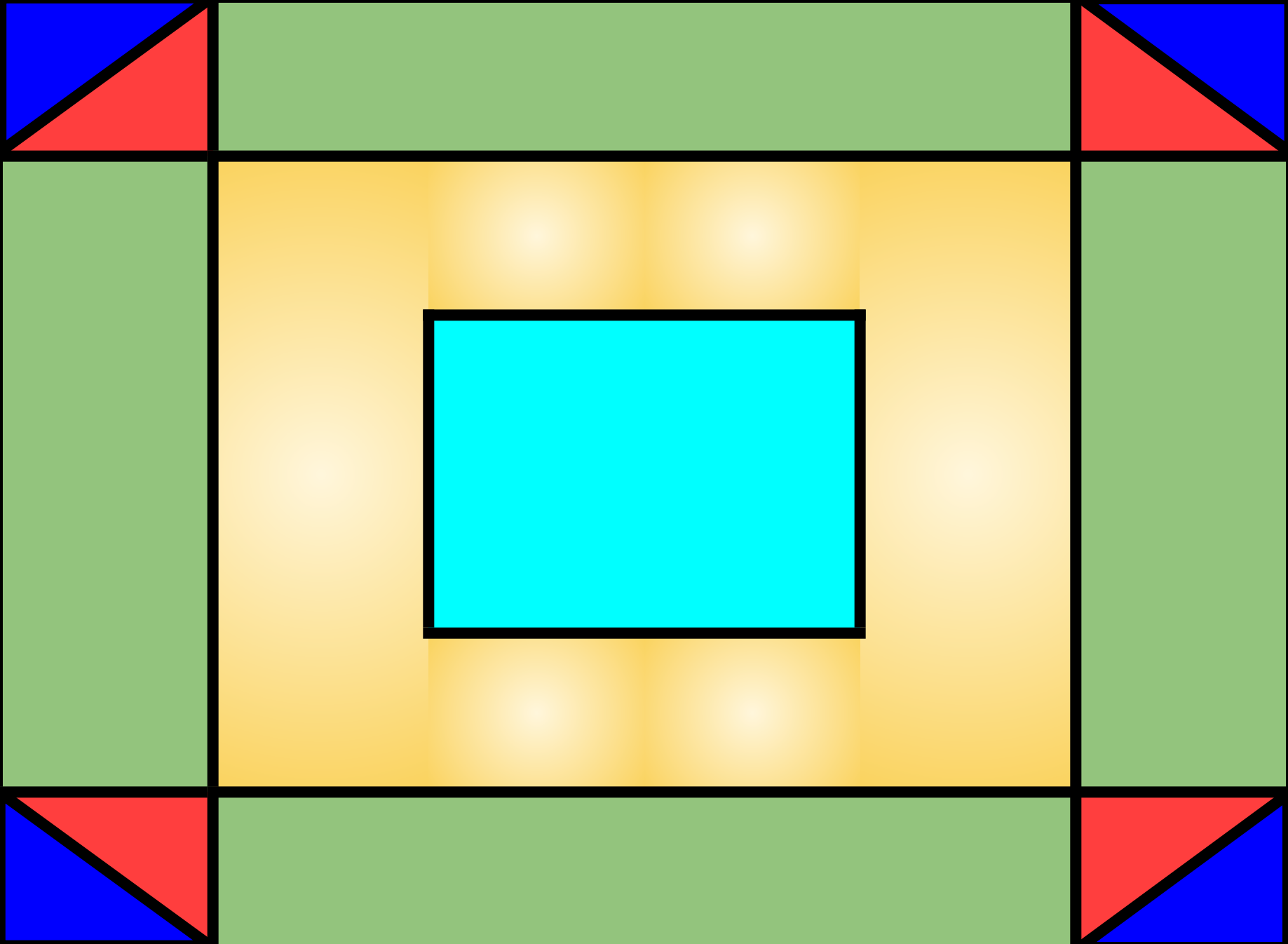
- 1. What is the value of the cornflower blue triangle?**
- 2. What is the value of the yellow rectangle?**
- 3. What is the fraction for the cyan hexagon?**





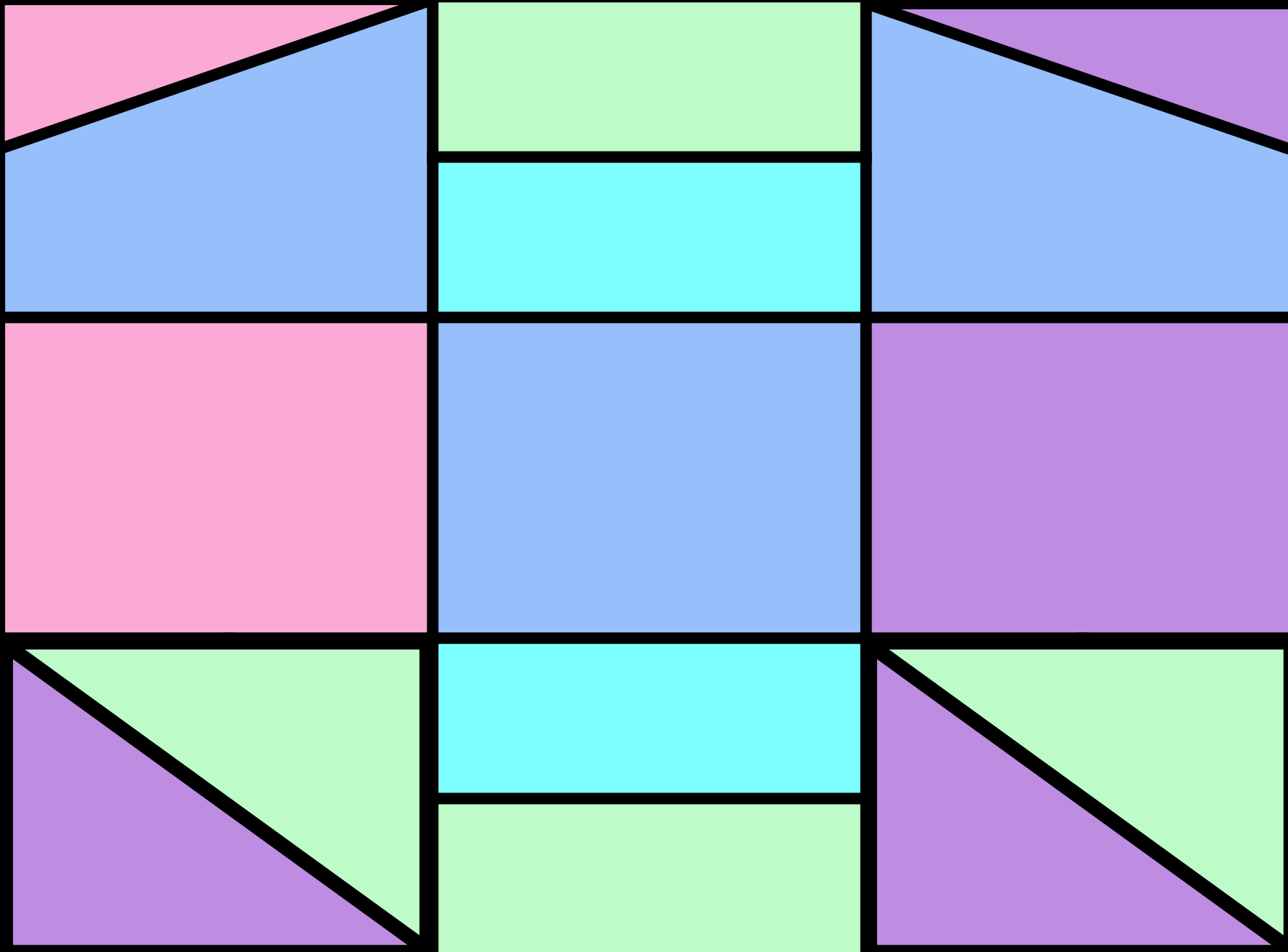
# ***Blue Mirror by Yordanis Adames***

- 1. What fraction of the whole does the red and blue triangles represent?***
- 2. What fraction does the cyan square represent?***
- 3. What does the entire graph represent?***
- 4. How many red triangles would it take to fill the entire whole?***
- 5. What fraction do all the light yellow squares represent?***



# Mixed Pastels by Genesis Ayala

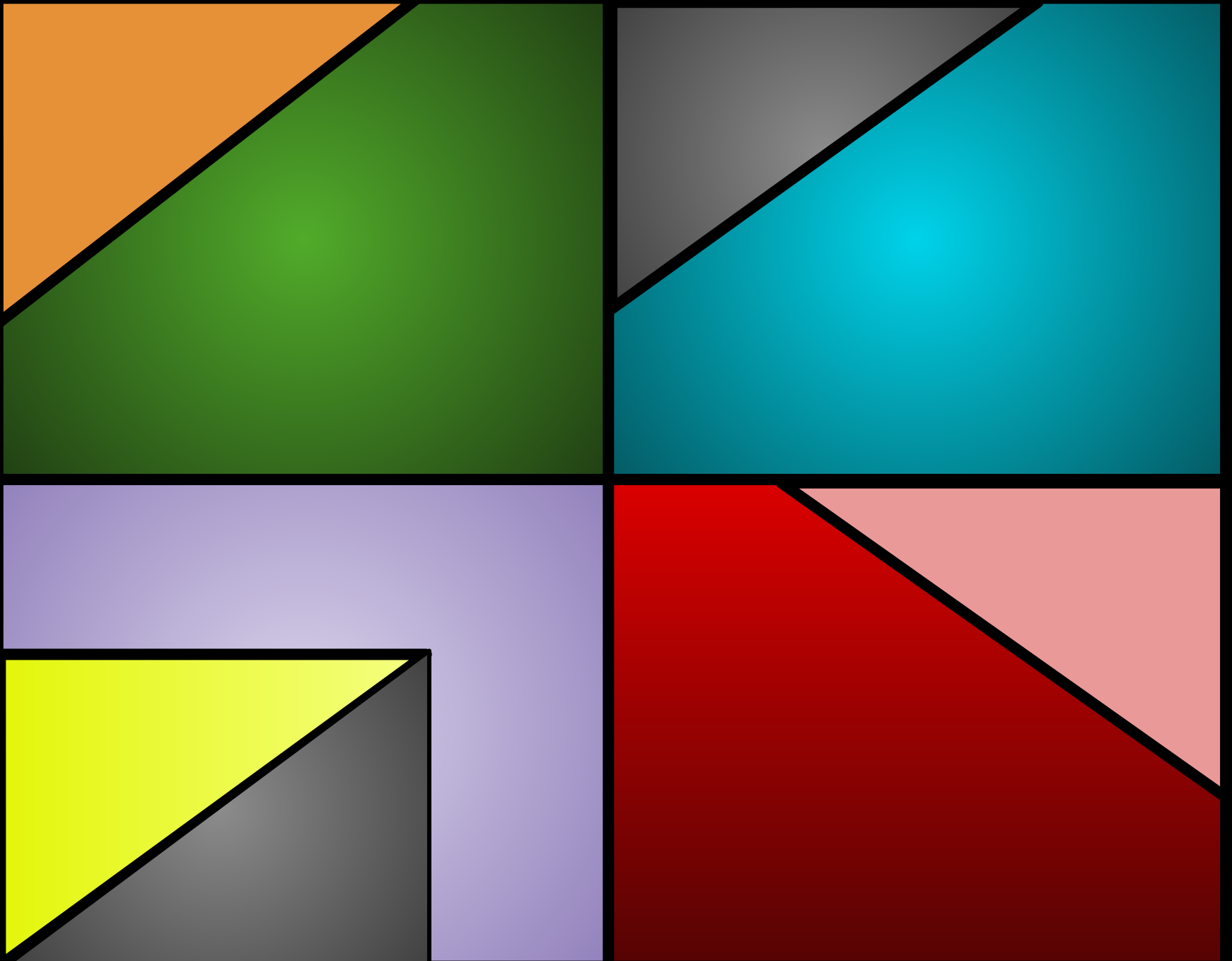
1. If you add the light blue square four times what would be the new value?  
(In its simplest form if possible )
2. What is the value of the small purple triangle?
3. How many cyan rectangles would you need to fill up the entire graph?
4. If the entire graph has 36 cells what does one cell represent?





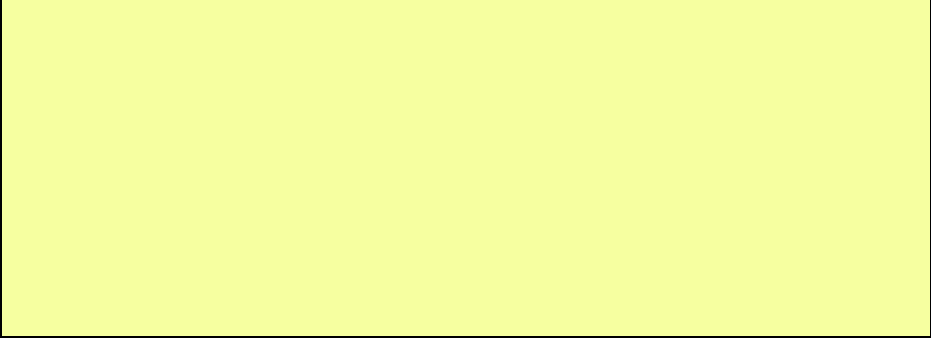
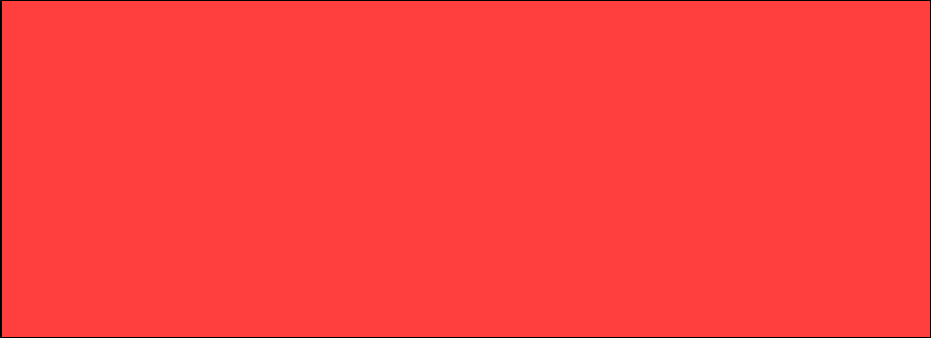
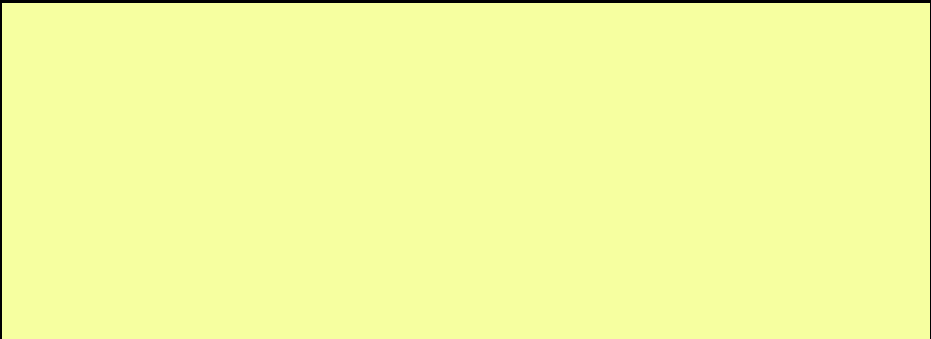
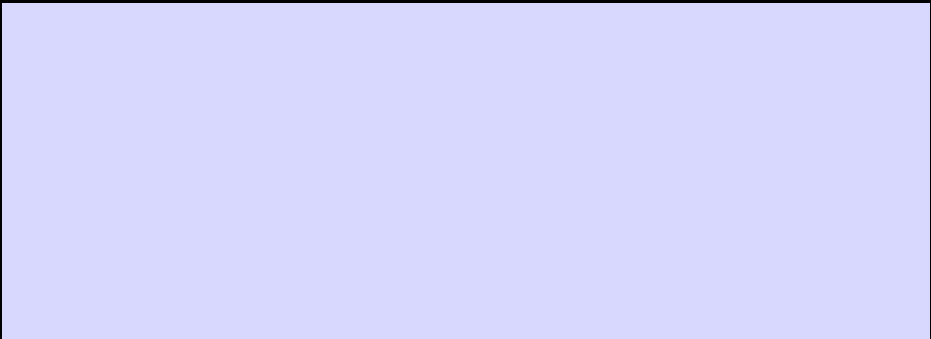
# Anime World By Jhofrandy Espinal

1. What fraction of the whole does all the triangles represent?
2. What fraction of the whole does all the hexagon represent?
3. What multiplication equation can be used to represent all the triangles?



# *The Unicorn by Angelyn Martinez*

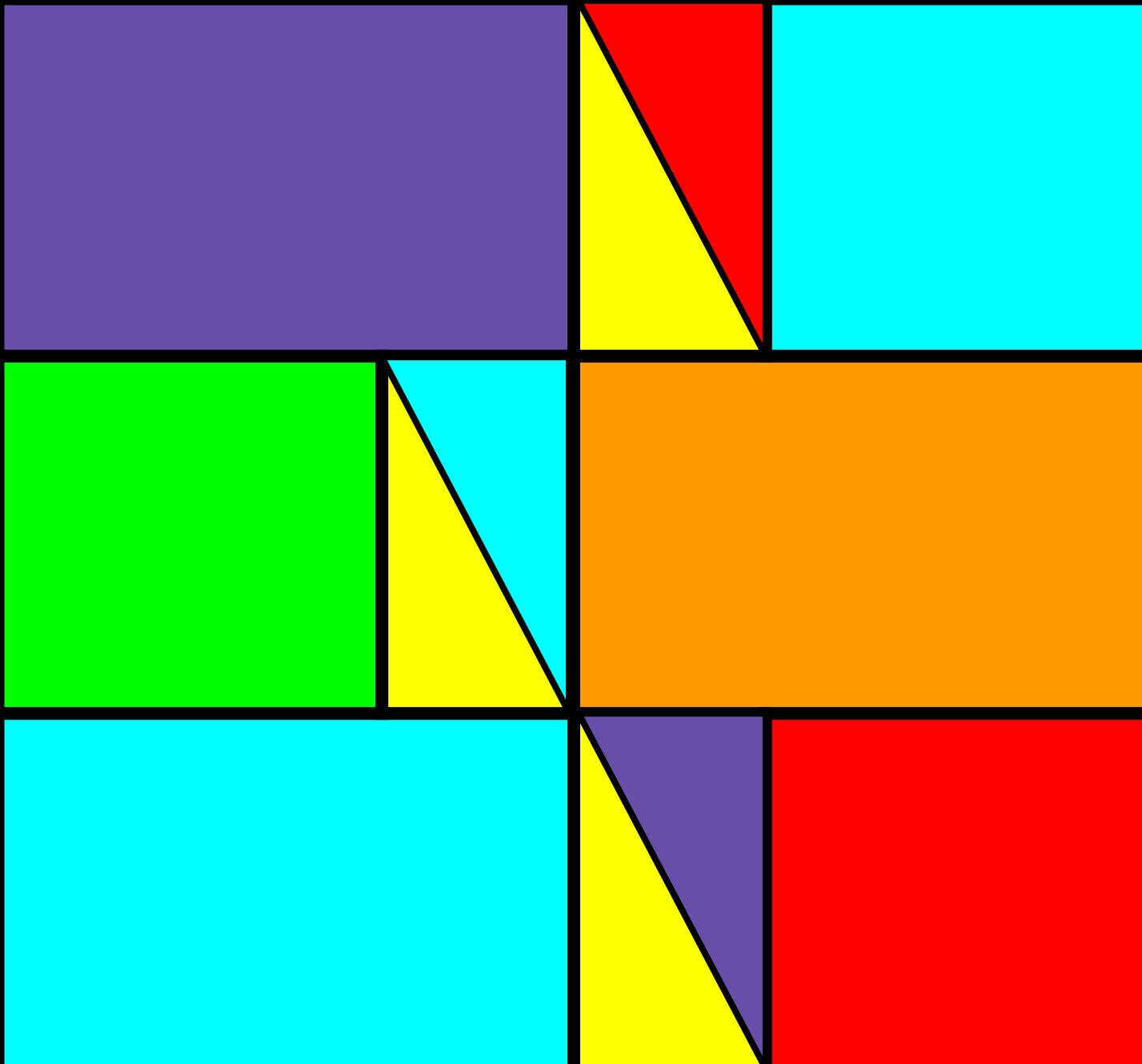
- 1. What is the value of the light red rectangle?***
- 2. What is the value of the cornflower blue rectangle?***
- 3. What does the light yellow rectangles represent?***



# The Puzzle of Life by Christine King

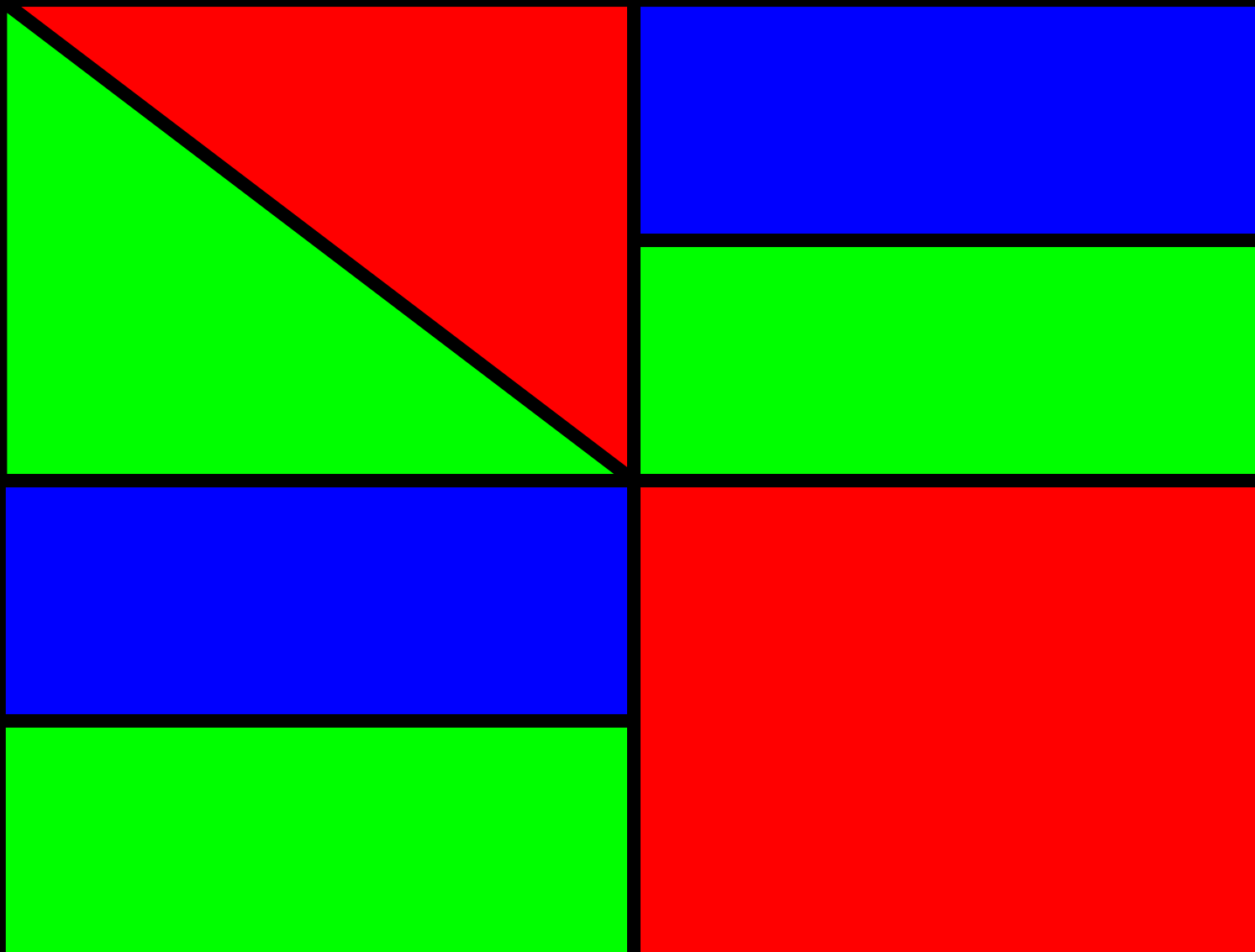
1. What fraction does the cyan portions represent?
2. What fraction do the yellow triangles represent?
3. How much would the red portions add up to?
4. What multiplication equation can be used to represent the purple, cyan, and orange rectangles?





## Red, Green & Blue by Christine King

1. What fraction of the whole do the triangles represent?
2. If we added the red areas and the green areas, what fraction of the whole would that be?
3. What division equation could be used to represent the area represented by the blue and green rectangles?
4. If the red rectangle was the whole, what would the other shape areas represent?



# Fabulous Fractions by Ms. Easton

1. What fraction of the whole does the blue triangle represent?
2. If we add all the triangles together, what fraction of the whole will that be?
3. If all the red rectangles are blue, how much would the blue portions represent?

