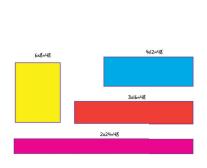
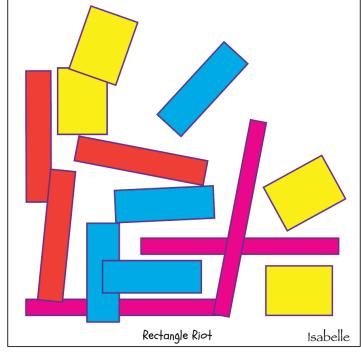
Multiplication Art Rioting Rectangles







48

1 × 48

2 X 24

3 X 16

4 X 12

6 X 8

Isabelle Hoag M. Ed. Director of Education UnCommon-Core.com Hello Teachers,

Thank you for downloading this handout. After decades of teaching, now I am sharing some of the activities I designed for my students and some new ones as well.

Visit <u>UnCommon-Core.com</u> and sign up for your free copy of Colorful Collections: *A Mindful Exploration of Proper Fractions.*You will also receive Wednesday morning emails with teacher tips, educational ideas, or free copies of products I'm making. You get to use them for free and I get the benefit of your comments and suggestions!

Colorful Collections

A Mindful Exploration of Proper Fractions

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Also, visit my Teachers Pay Teachers store <u>UnCommon-Core dot com</u>.

Thank you again. All the best,

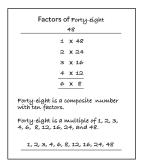
Isabelle

Isabelle Hoag M.Ed.
Director of Education
UnCommon-Core.com

Rioting Rectangles! Instructions

Today you will be making a piece of artwork based on multiplication.

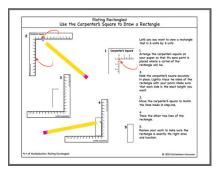
1. Choose a number that has at least four pairs of factors. Find all the factors of that number.



- 2. Use your planning page to draw rectangles that go with each pair of factors.
- 3. Will you create rioting rectangle art or relaxing rectangle art?

Which colors and compositional elements go with your choice?

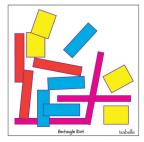
Assign colors to each sample rectangle on your planning page.



4. Begin your artwork by lightly drawing rectangles on your paper. Make sure to use each rectangle at least once.



5. When you are done with drawing rectangles, fill them with color. Use the planning page to make sure each shape is the correct color.

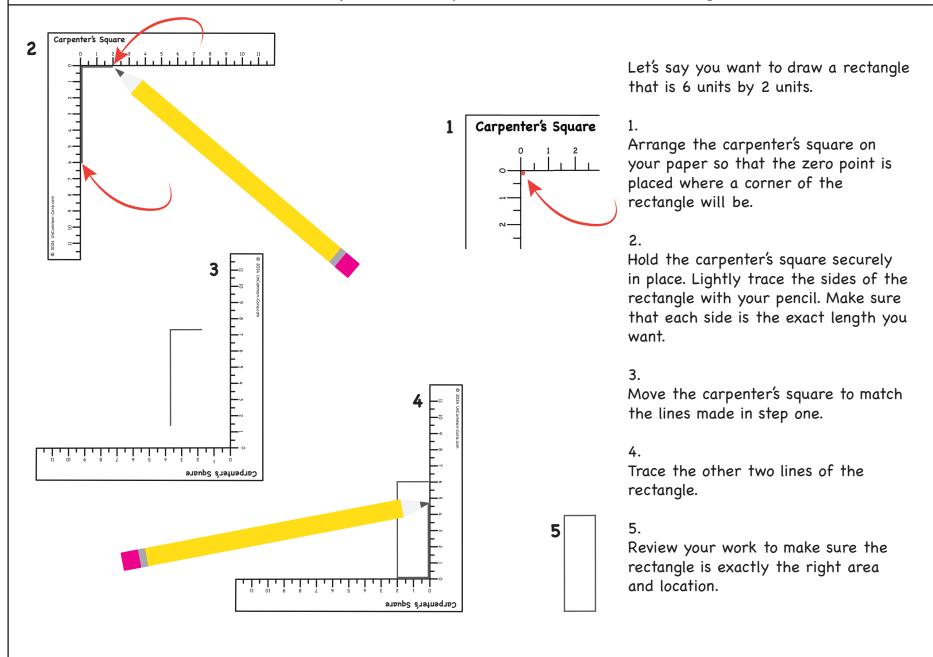


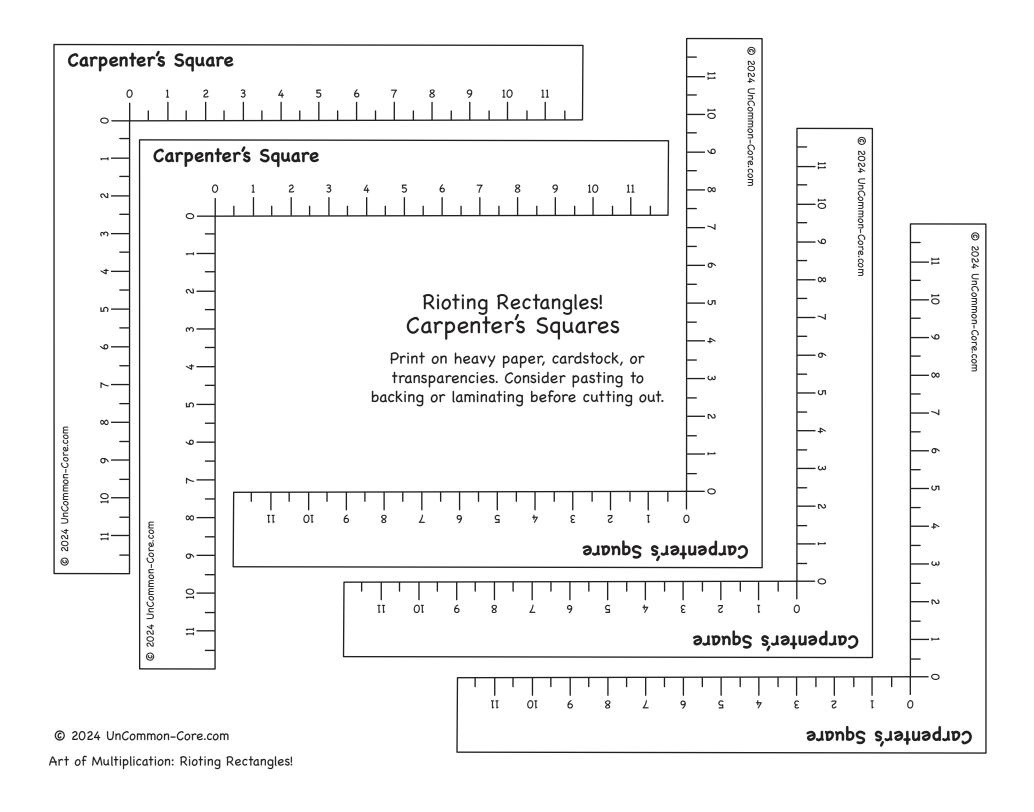
Artist's Name: Isabelle
Title, year: Rectangle Rict, 2024
Materials used: Printer paper, pencil, markers
Notes: Each of the rectangles has the same area.
The length and width of the rectangle are factors which multiply to 48. Shapes which are congruent are the same

Information Label

- 6. Let your artwork dry if needed. Then outline each rectangle with black lines. Use a ruler or straight edge to make the lines straight if you want.
- 7. Write an exhibit label to go next to your artwork when it is on display.

Rioting Rectangles! Use the Carpenter's Square to Draw a Rectangle





	Rioting Rectangles! Planning Page	name
Title, Materials, and More Ideas:	Rectangl	es and Color Assignments:
Factor Pairs of:		

Rioting Rectangles! Information Labels A

Information Label	Information Label
Artist's Name:	Artist's Name:
Title of artwork, year it was made:	Title of artwork, year it was made:
Materials used:	Materials used:
Notes about math used in design:	Notes about math used in design:
Information Label	Information Label
Artist's Name:	Artist's Name:
Materials used:	Materials used:
Notes about math used in design:	Notes about math used in design:
Artist's Name: Title of artwork, year it was made: Materials used:	Artist's Name: Title of artwork, year it was made: Materials used:

Rioting Rectangles! Information Labels B

Information Label	Information Label
Artist's Name:	Artist's Name:
Title, year:	Title, year:
Materials used:	Materials used:
Notes:	Notes:
Information Label	Information Label
Artist's Name:	Artist's Name:
Artist's Name: Title, year:	Artist's Name: Title, year:
Artist's Name: Title, year: Materials used:	Artist's Name: Title, year: Materials used:
Artist's Name: Title, year:	Artist's Name: Title, year:
Artist's Name: Title, year: Materials used:	Artist's Name: Title, year: Materials used:
Artist's Name: Title, year: Materials used:	Artist's Name: Title, year: Materials used:

Rioting Rectangles! Directions

Information Label

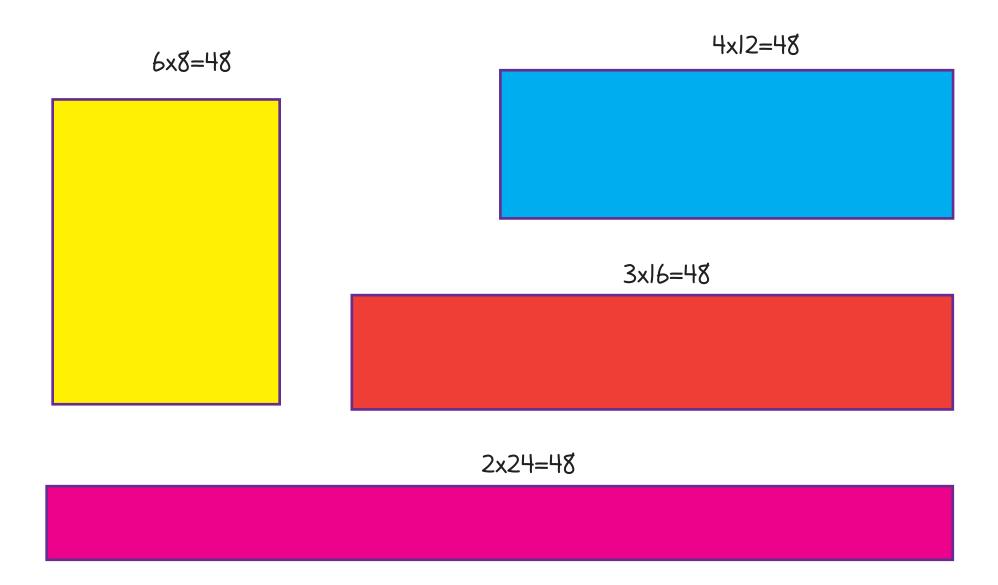
Artist's Name: Isabelle

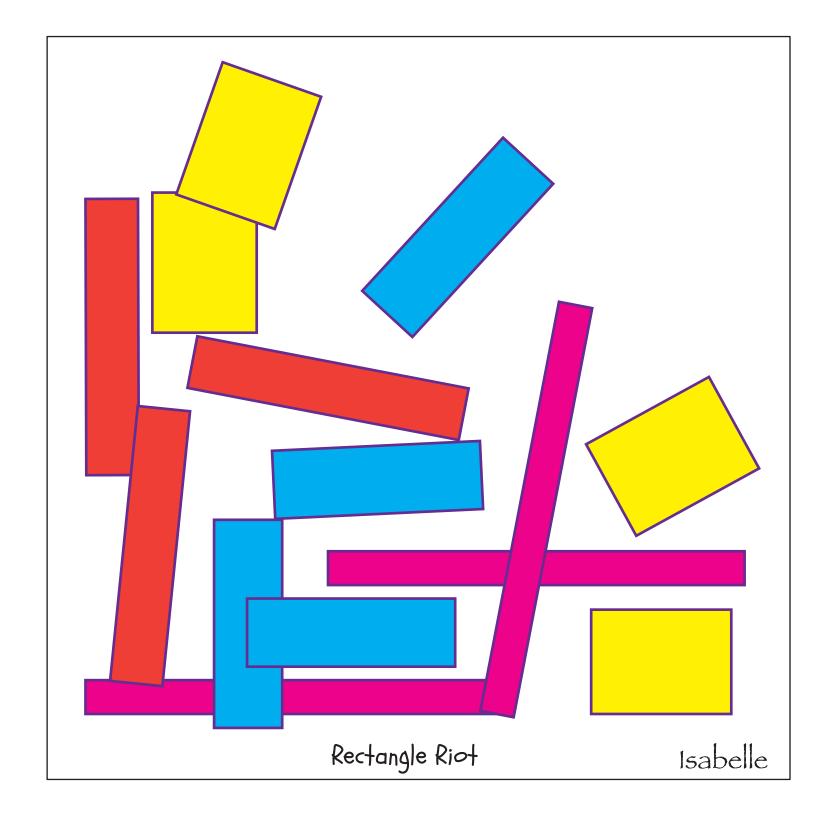
Title, year: Rectangle Riot, 2024

Materials used: Printer paper, pencil, markers

Notes: Each of the rectangles has the same area.

The length and width of the rectangle are factors which multiply to 48. Shapes which are congruent are the same color.





Rioting Rectangles! Planning Page

Sample

Title, Materials, and More Ideas:

I'm going to call this artwork -48-. I'm using paper, pencil, carpenter's square and markers with wide tips. I'm planning to create restful rectangles; using horizontals and relaxing colors.

Factors of Forty-eight

48

1 X 48

2 X 24

3 X 16

4 X 12

6 X 8

Forty-eight is a composite number with ten factors.

Forty-eight is a multiple of 1, 2, 3, 4, 6, 8, 12, 16, 24, and 48.

1, 2, 3, 4, 6, 8, 12, 16, 24, 48

Rectangles and Color Assignments:

6x8=48



4x12=48

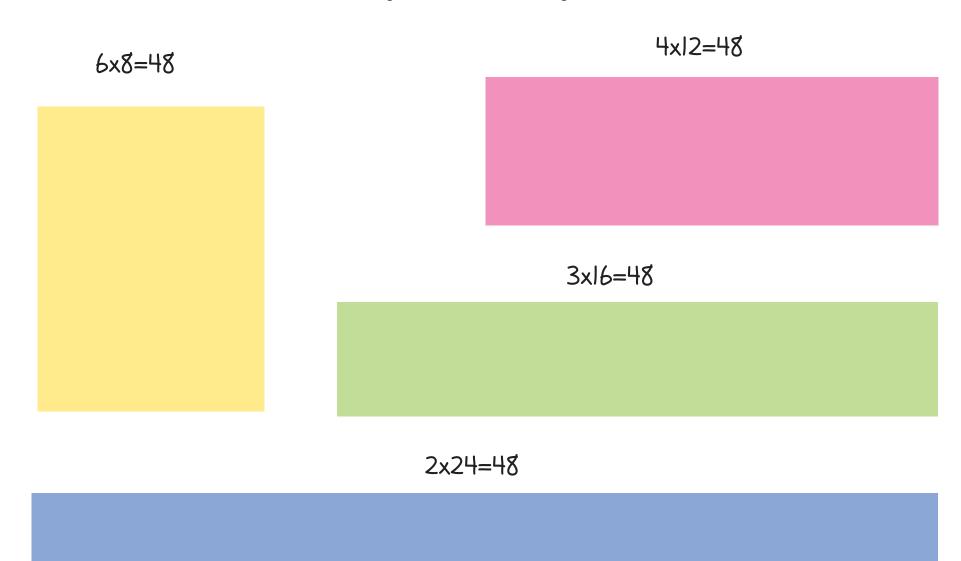


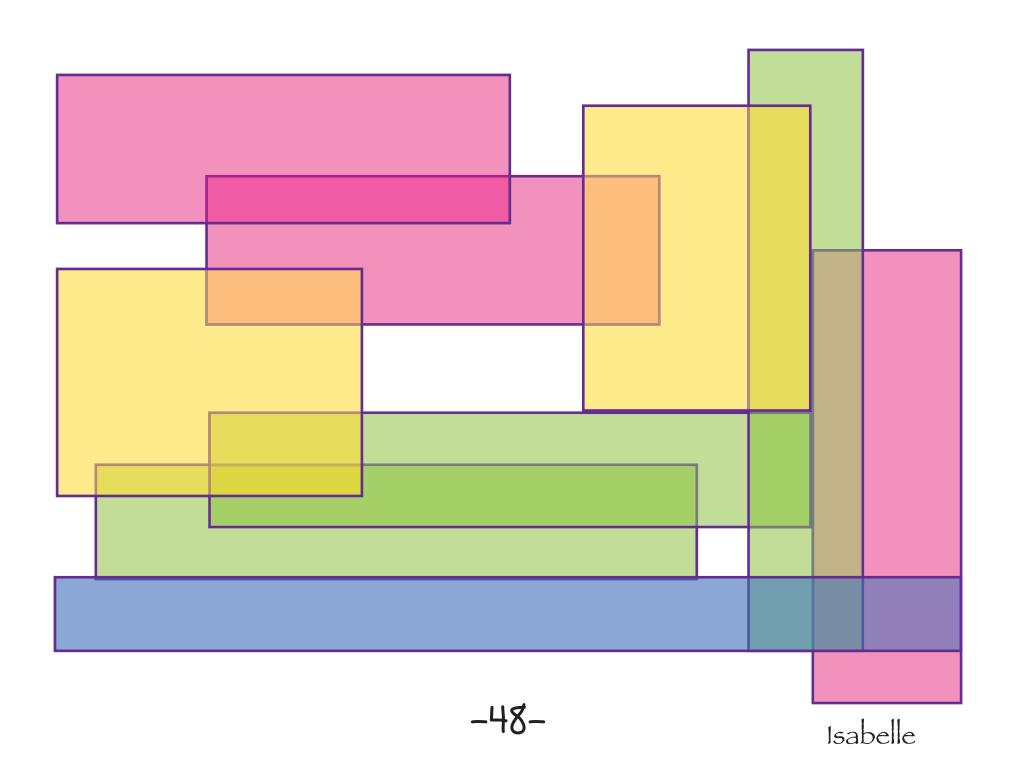
3x16=48

2x24=48

Planning Page

Rectangles and Color Assignments:





Download **Colorful Collections**: A Mindful Exploration of Proper Fractions

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All the best!

Isabelle

Isabelle Hoag M. Ed.

SUBMIT

First Name Last Name Email Address



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