



The Whole Equals One



Part 1. Making Designs

Use colored pencils, markers, or crayons to make designs with fractions. You will need one or two sheets of *Centimeter Grid Paper*. Follow all the directions for each rectangle.

- Draw each rectangle on Centimeter Grid Paper. The rectangle you draw is the whole.
- Divide the rectangle into the fractional parts given.
- Color different fractional parts with a different color. Color the same fractional parts with the same color.
- Label each color with the correct fraction, either on the fractional part or in a color key.
- Write a number sentence for each whole rectangle.

Rectangle A: 2 rows and 5 columns. Show $\frac{2}{5}$, $\frac{1}{2}$, $\frac{1}{10}$ using 3 colors.

Rectangle B: 3 rows and 4 columns. Show $\frac{1}{4}$, $\frac{1}{4}$, $\frac{1}{6}$, $\frac{1}{3}$ using 3 colors.

Rectangle C: 5 rows and 3 columns. Show $\frac{2}{3}$, $\frac{1}{3}$ using 2 colors.

Rectangle D: 5 rows and 4 columns. Show $\frac{1}{2}$, $\frac{1}{5}$, $\frac{1}{10}$, $\frac{1}{10}$, $\frac{1}{10}$ using 3 colors.

Part 2. Make a New Design

- Draw a rectangle with 4 rows and 6 columns.
- Find at least 4 different fractions that will fill the whole rectangle.
- Some of your fractions must have different denominators.
- Don't use any of the groups of fractions in Part 1.
- Label and color your fractional parts.
- Write a number sentence for your fraction design.