

Fraction Circles

manipulatives for fractions up to tenths

Fraction Circles

The fraction circles are intended to be used as manipulatives to introduce fractions up to to tenths. Use the fraction circles to teach addition and subtraction using common denominators, equivalent fractions (to tenths), multiplication and division of fractions, and all operations using mixed numbers.

In addition to using these as manipulatives, the fraction circles can be printed for use as references that could be glued into a math notebook.

What's Included

- Blank fraction circles (4" in diameter, up to tenths)
- Fraction circles (4" in diameter, up to tenths), with the numeric value of each fraction piece

****Note:** *These are all provided in black and white. Please print on colored paper for colored pieces.*

Instructions

Print, cut, and laminate (if desired). It is recommended that the fraction circles be printed on cardstock. Traditionally, Montessori fraction circles are red, so red cardstock would be most similar to the metal or plastic fraction circles available. However, the color choice is up to you!

Please note that you will probably want to print multiple copies of each fraction set so you have more flexibility when using the fraction circles for lessons, or so that multiple children can use them at once.

The fraction circles can be printed on regular paper if the intent is to use them as resources that are glued into a math notebook for reference.

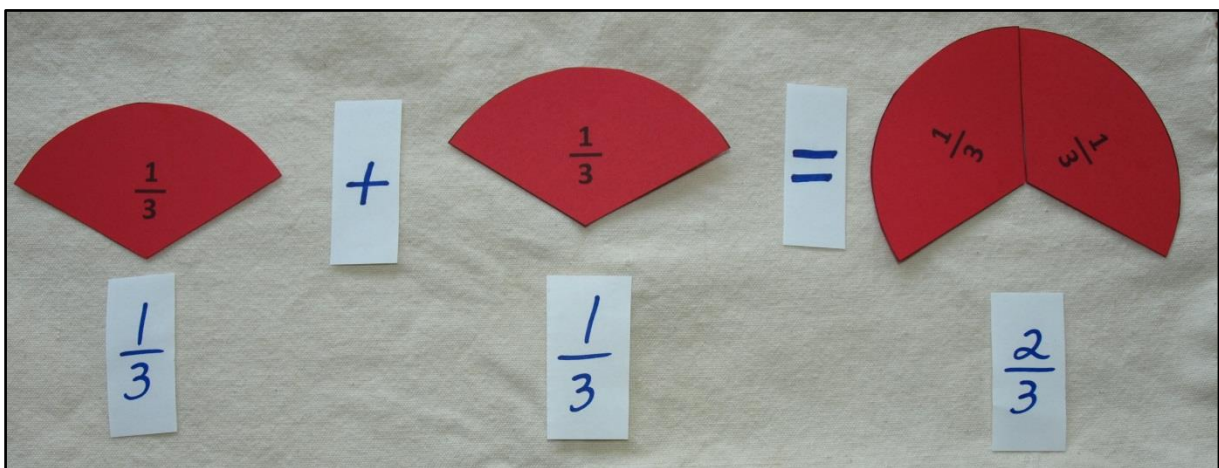
Alternatively, the blank fraction circles can be printed on regular paper and used as a template for tracing the pieces onto felt or foam sheets.

Once cut, you may want to use envelopes to keep track of the loose pieces.

Example Lesson

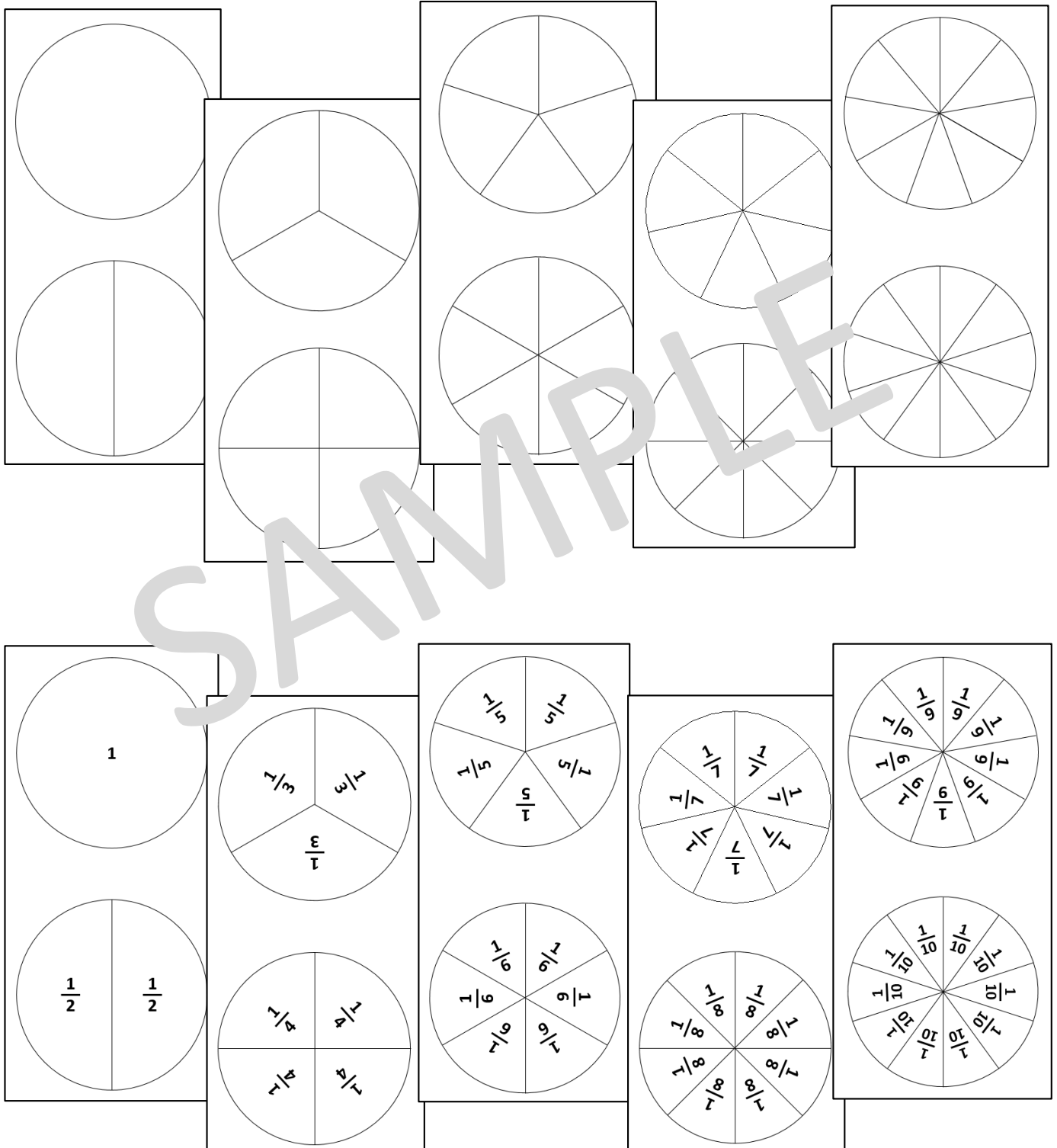
Adding Simple Fractions

1. Have the fraction circles prepared, as well as some paper slips and a marker, to write the fraction values, plus sign, and equal sign.
2. Review with the students what a fraction is (part of a whole) and how to write fractions (prior experience with this is assumed.)
3. Tell the students that now you're going to talk about how to add fractions.
4. Using the fraction circles, place a piece in front of the students. In this example, we will use thirds. "This is $\frac{1}{3}$." Set out the label below the fraction. Add the plus sign to the right of the fraction.
5. Now take another third and set it to the right of the plus sign. "One third plus one third equals (set out equal sign)?" Wait for a response from the students, then continue. "Yes, one third plus one third equals two thirds."
6. Set out another two thirds to show the sum (see below) and the label.
7. Continue practicing with adding fractions with the same denominator, up to tenths.



Adding simple fractions using fraction circles printed on red cardstock

Below are examples of the 4" fraction circles available in this product.





Thank you for viewing this product preview!

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[Addition of Fractions – Problem Tickets](#)

[Subtraction of Fractions – Problem Tickets](#)

[Multiplication of Fractions – Problem Tickets](#)

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[Bundle of Fraction Tickets for All Operations](#)

[Equivalent Fractions with Hundredths: Samples, Booklet,
and Blanks](#)

If you have any questions,
please email info@virtuallymontessori.com.