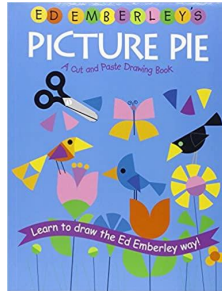


Animal Pie Pictures



Task

Use fraction circles to create a picture like the ones in the book, Picture Pie. Then find the value of your picture.

Standards and Learning Targets

Standard 5.NF.1 Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators. For example, $\frac{2}{3} + \frac{5}{4} = \frac{8}{12} + \frac{15}{12} = \frac{23}{12}$. (In general, $\frac{a}{b} + \frac{c}{d} = \frac{ad + bc}{bd}$.)

Learning Target: Add fractions with unlike denominators

Lesson Outline

Anticipate Strategies: Before you begin this lesson, be sure to anticipate the strategies your students might use to find the value of the picture they selected by using the [Picture Book Problem Monitoring Chart](#). For example, students might use separate shapes and make whole circles or find the totals for each denominator and then make circles.

Launch: Read aloud Picture Pie by Ed Emberley. As you look at each of the circles, identify the value of each part. Review adding like denominators by finding the values of the pictures with the same denominators. Share strategies for finding the value of the picture. Then select a page with shapes with different denominators and have students choose which picture they would like to use to find the value.

Put students into small groups of 2-3 and give them fraction circles or die cuts of fractions to create a picture of an animal and find the value of the whole picture.

Explore: As students work to find the value of the shape, use the monitoring chart to record their strategies. Determine strategies students are using that you'd like to share.

Summarize: The purpose of this lesson is to begin to explore adding, unlike denominators. Ask students to share the strategies they used, without talking about finding common denominators. Create an anchor chart using their strategies with number sentences to match their work. Then talk about things they noticed about adding these fractions together.

Extension Ideas:

- Create a picture on your own and find the value
- Create pictures with pattern blocks and find the value of the picture

Thank you for using one of our Picture Book Tasks! We would love to know more about your students' strategies when solving the problem, ideas you had for improving the task, and other math problems you and your students noticed or wondered about after reading the book.

Please complete our [Picture Book Task Survey](#) so that we can learn more about your experience teaching, how students solve problems, and improve our Picture Book Task Bank.