

Pumpkin Pie Fraction Mix Up



Teacher Directions

This active-engagement strategy can be used to introduce or to review the skill of comparing fractions.

Materials Needed for each student

- Individual dry erase board and marker (or paper and pencil)
- One pumpkin pie fraction card and a corresponding pie pattern

Advanced Preparation

- Duplicate one set of the fractions cards and cut them apart (30 cards total). You'll need one card per student; select the cards you plan to use and set the others aside.
- For each card, duplicate one Pumpkin Pie pattern. Look at the denominators of the cards to decide how many of each pattern to duplicate. If you use all 30 cards, you'll need 1 of the halves, 2 of the thirds, 3 of the fourths, and so on. The whole pie is not needed unless you want to use it as a reference for comparison.

Pumpkin Fraction Mix Up Directions

1. Give each student one fraction card and a corresponding pattern. Ask students to color in the sections of the pie needed to create the fraction shown on their card. For the purposes of comparison, it's best to have them color the sections adjacent to each other. Then have them fold their drawings with the pictures inside.
2. When everyone is ready, ask students to pick up their dry erase boards, markers, fraction pieces, and their folded colored pie patterns.
3. Give a signal and ask students to mix around the room. Give another signal, and ask them to quickly and quietly find a partner. Check to be sure everyone has a partner. With an odd number of students, you can be someone's partner.
4. Ask students to show each other their fraction cards only. Both students record the two fractions on their dry erase boards and compare them using $<$, $>$, or $=$. Without looking at their pictures, they discuss their reasons for their choices.
5. On a signal from you, students reveal their pictures and compare to see if they were correct. They discuss any differences between their answers and the pictures.
6. Give another signal and students mix around the room again. Follow steps 3 through 5 as time allows.

Name _____

Pumpkin Pie Fractions

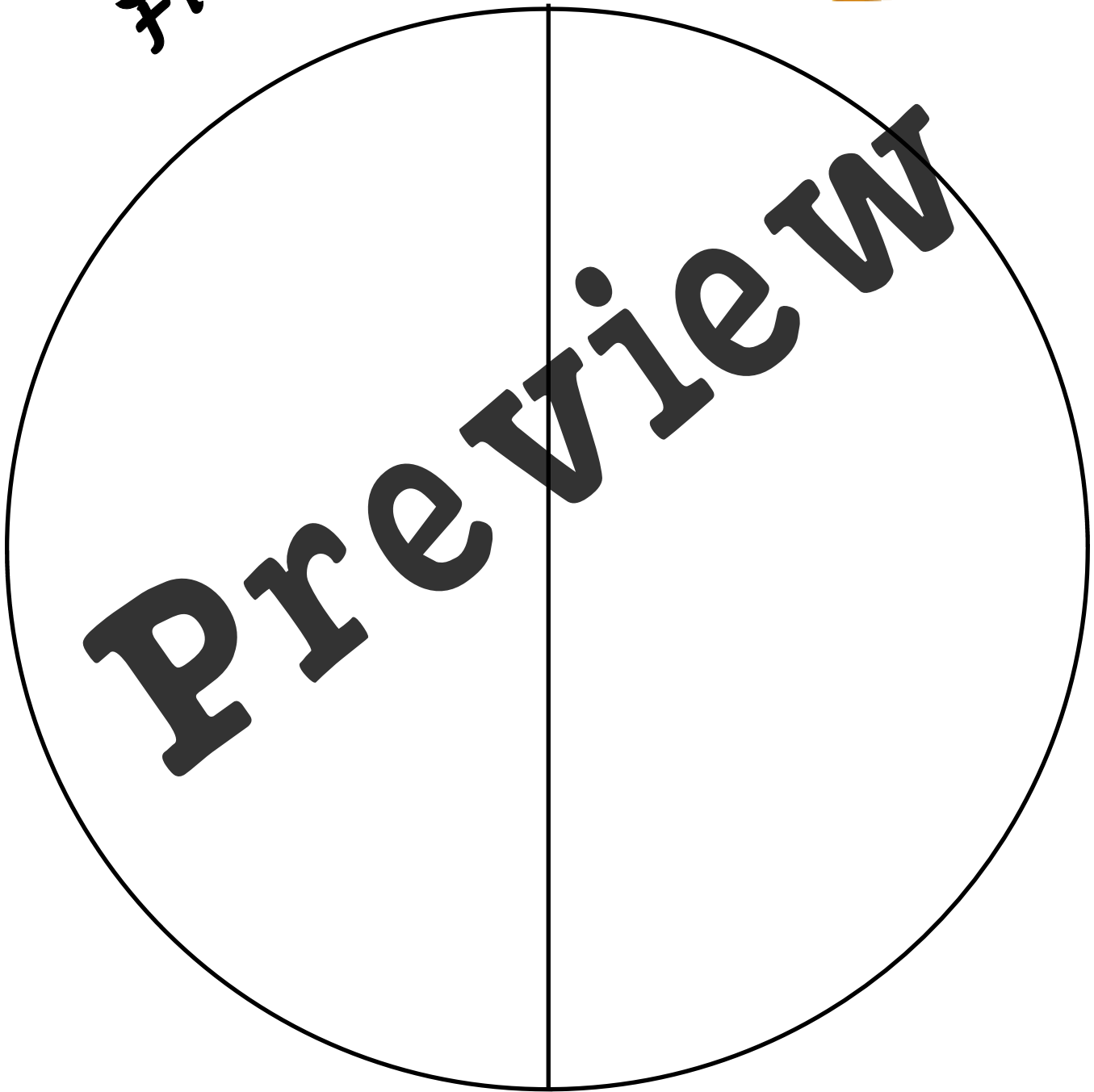


Preview

1 Whole

Name _____

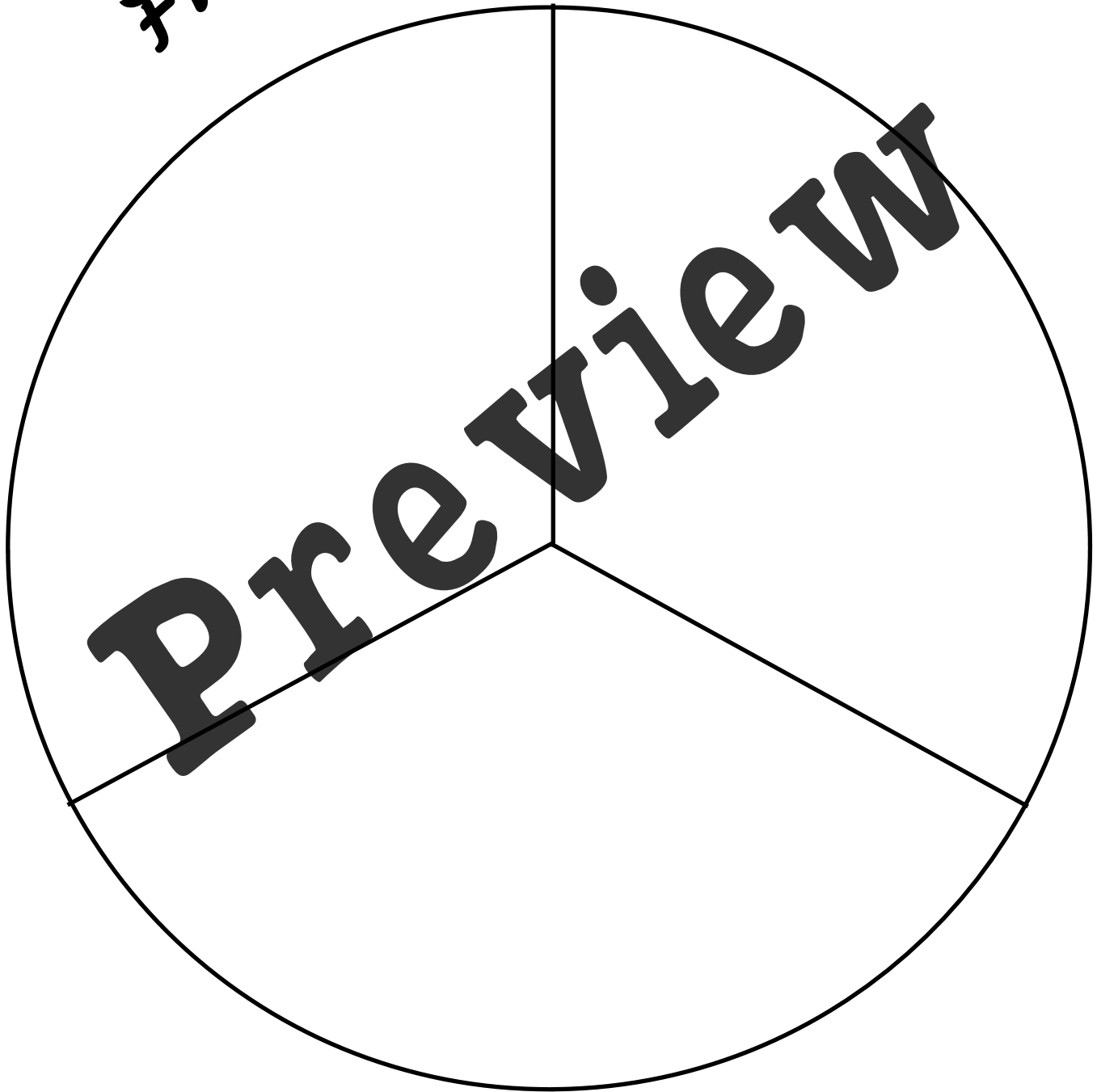
Pumpkin Pie Fractions



Halves

Name _____

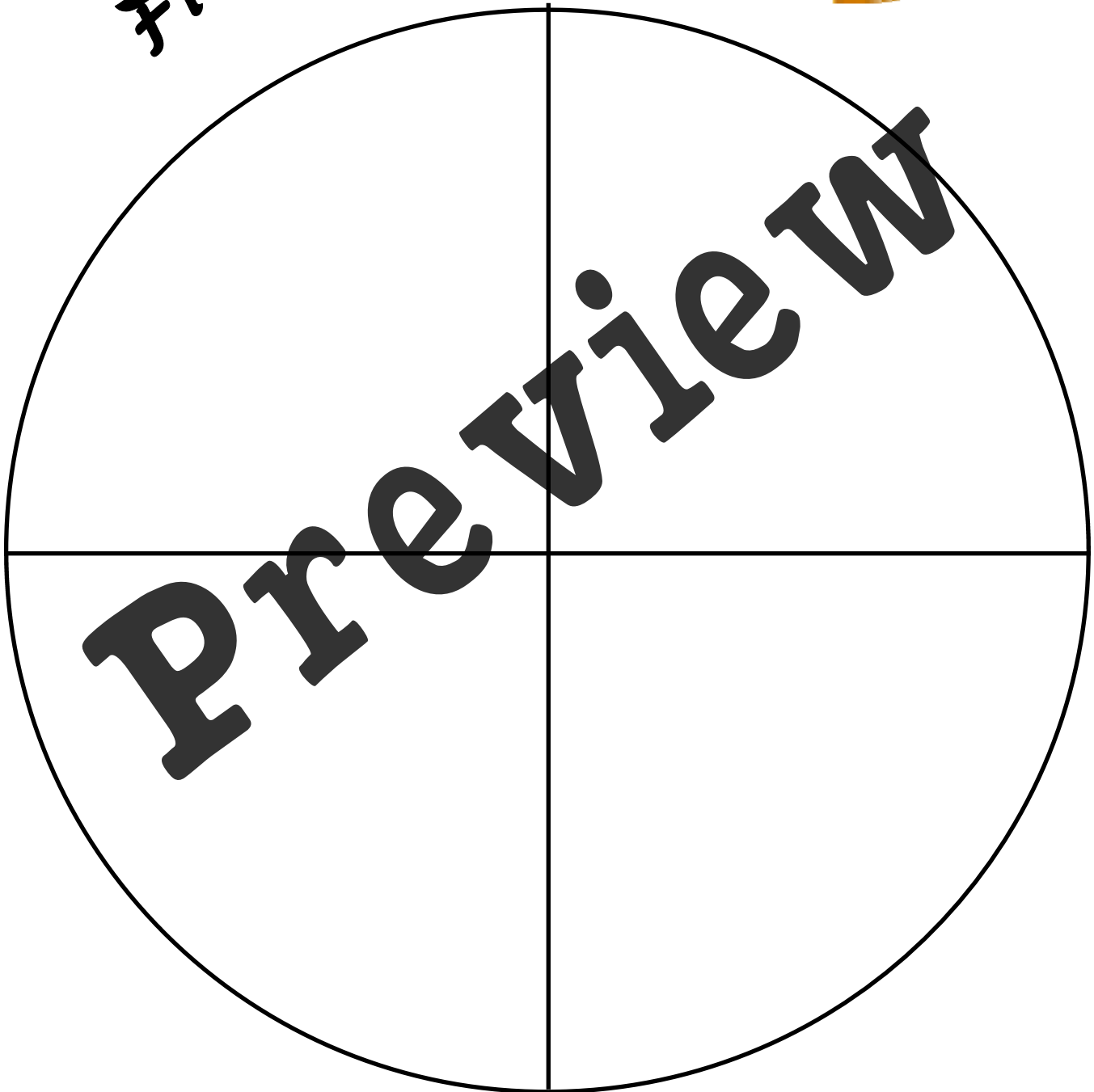
Pumpkin Pie Fractions



Thirds

Name _____

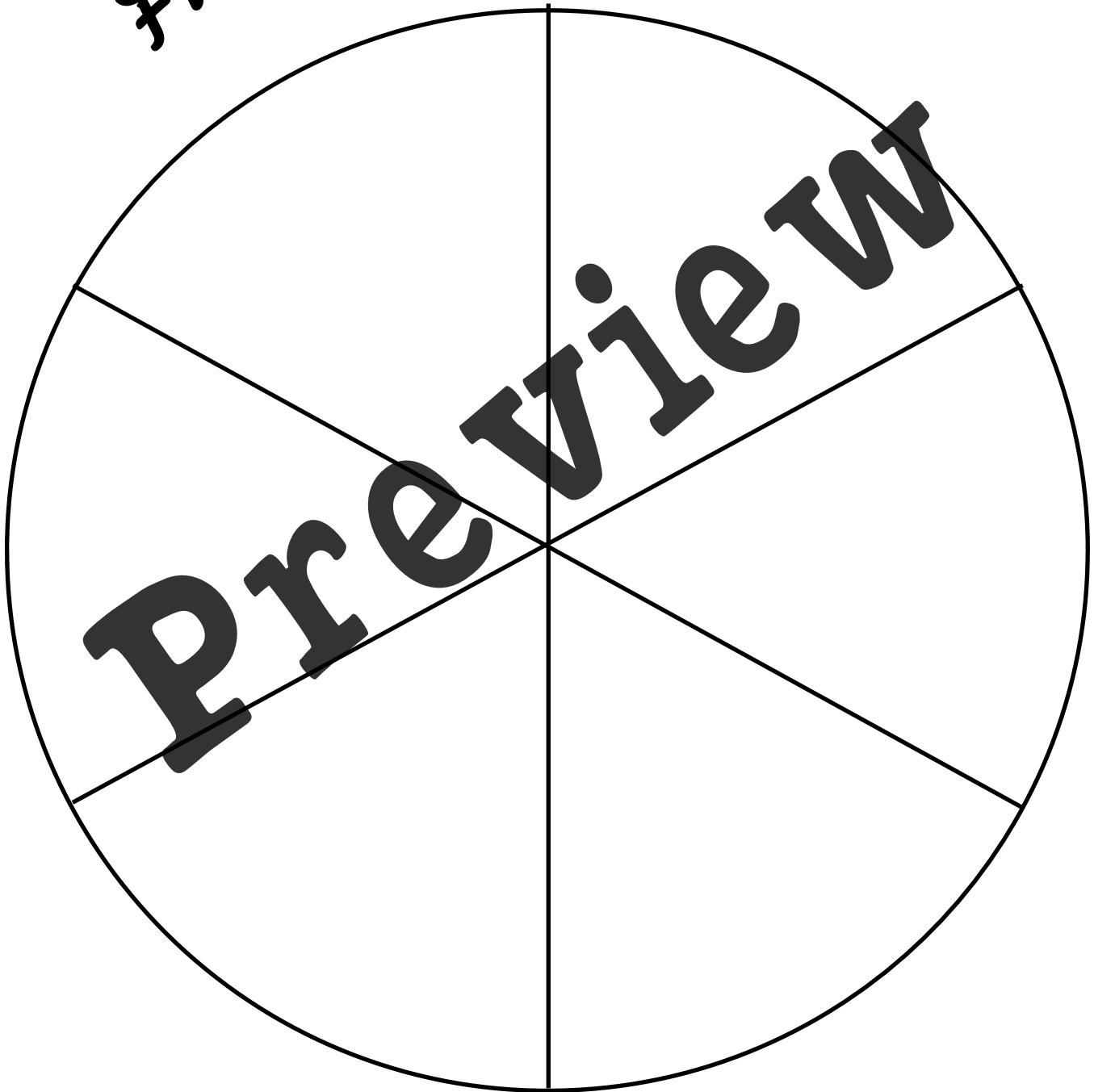
Pumpkin Pie Fractions



Fourths

Name _____

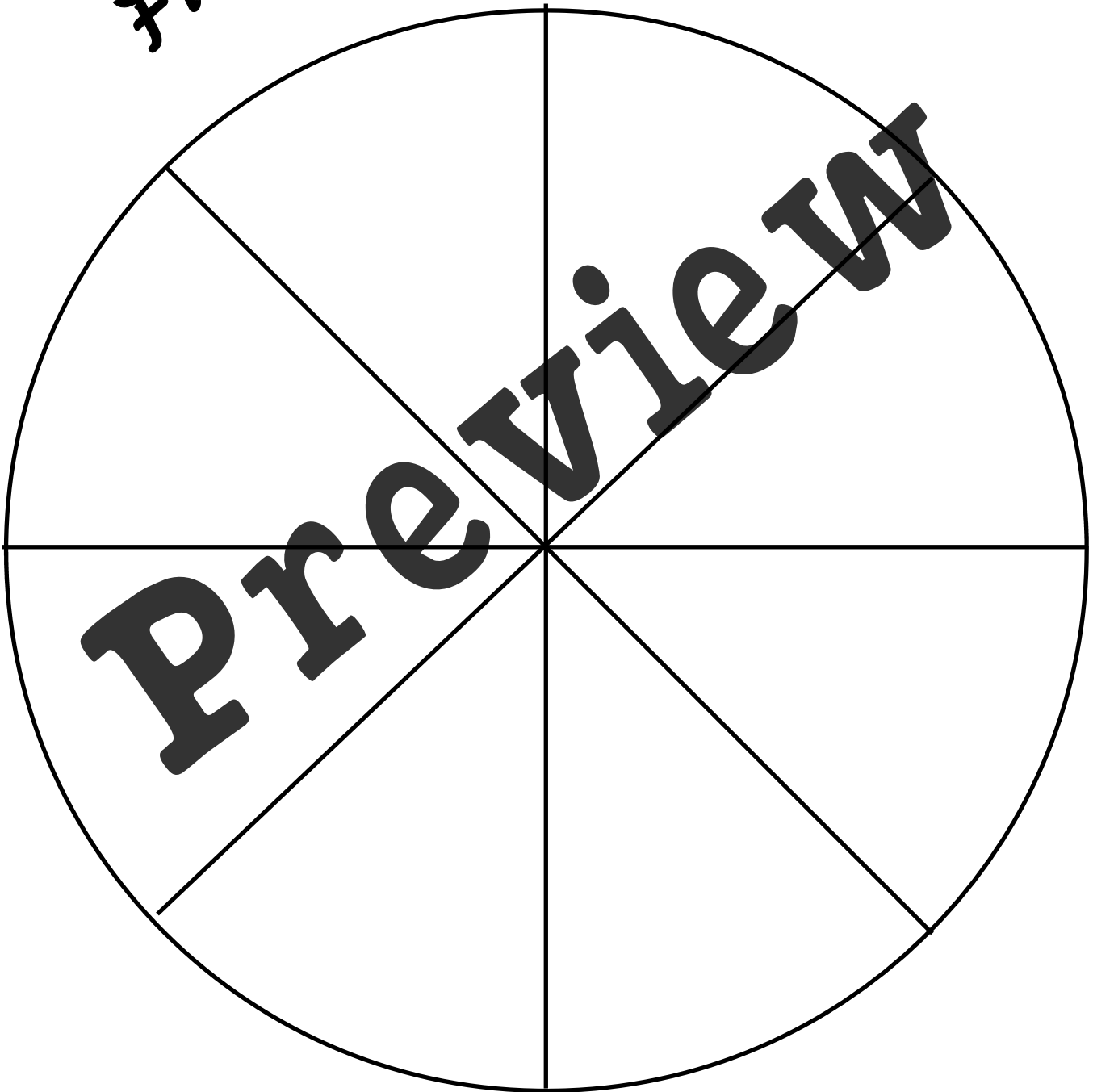
Pumpkin Pie Fractions



Sixths

Name _____

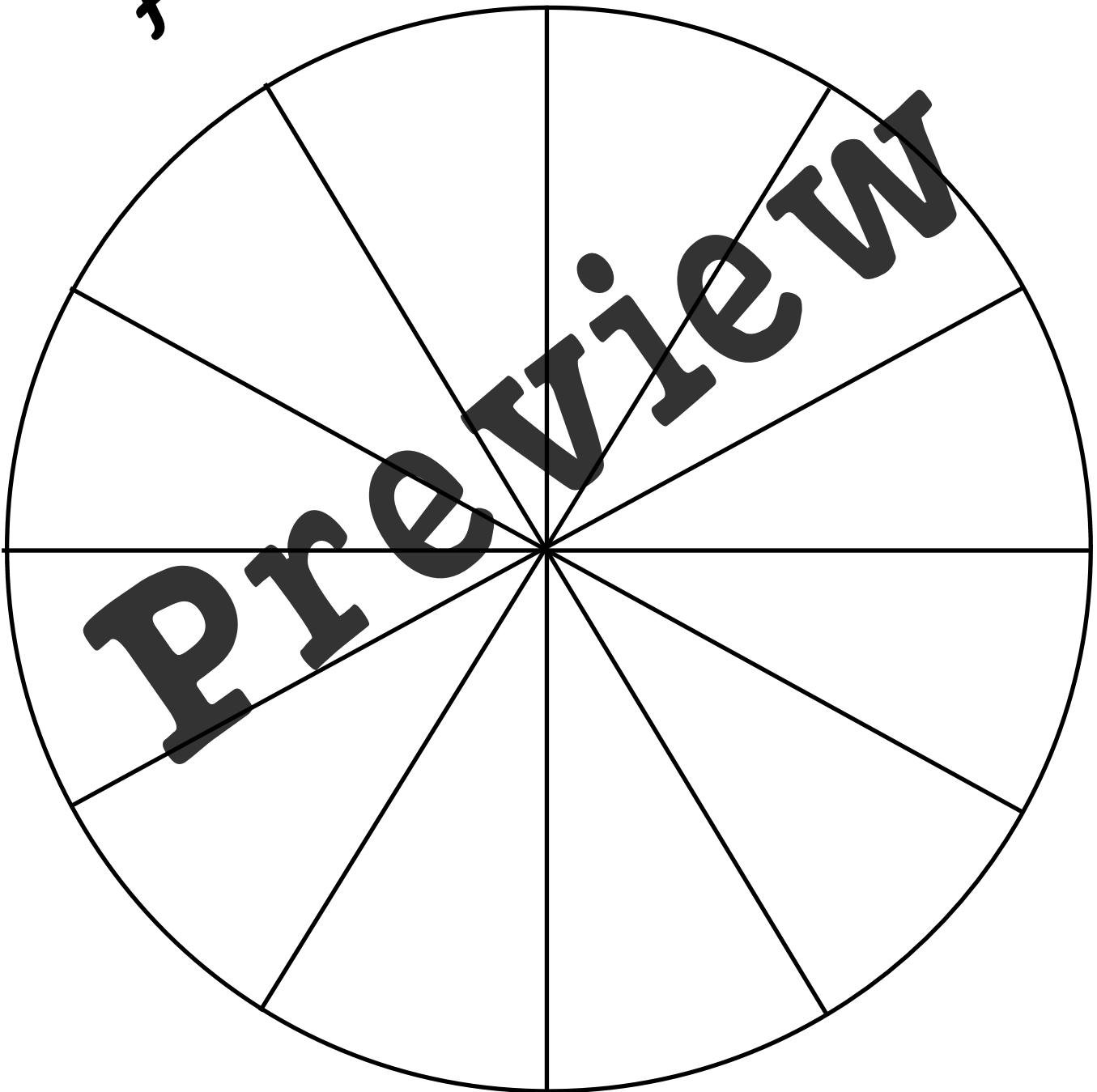
Pumpkin Pie Fractions



Eighths

Name _____

Pumpkin Pie Fractions



Twelfths

Pumpkin Pie Fraction Cards 1

$$\frac{1}{2}$$

$$\frac{1}{3}$$

$$\frac{2}{3}$$

$$\frac{1}{4}$$

$$\frac{2}{4}$$

$$\frac{3}{4}$$

$$\frac{1}{6}$$

$$\frac{2}{6}$$

$$\frac{3}{6}$$

$$\frac{4}{6}$$

Pumpkin Pie Fraction Cards 2

$$\frac{5}{6}$$

$$\frac{1}{8}$$

$$\frac{2}{8}$$

$$\frac{3}{8}$$

$$\frac{4}{8}$$

$$\frac{5}{8}$$

$$\frac{6}{8}$$

$$\frac{7}{8}$$

$$\frac{11}{12}$$

$$\frac{2}{12}$$

Pumpkin Pie Fraction Cards 3

$$\frac{3}{12}$$

$$\frac{4}{12}$$

$$\frac{5}{12}$$

$$\frac{6}{12}$$

$$\frac{7}{12}$$

$$\frac{8}{12}$$

$$\frac{9}{12}$$

$$\frac{10}{12}$$

$$\frac{11}{12}$$

$$\frac{12}{12}$$