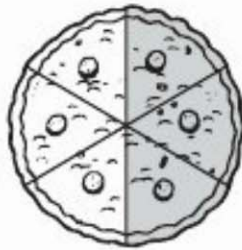


Name _____

Equivalent Fractions**Essential Question** How can you use models to find equivalent fractions?**UNLOCK the Problem** REAL WORLD

Bart brought an apple pie to the picnic. He cut the pie into 6 equal pieces and 3 pieces were eaten.



- What fraction names the amount of the pie that was eaten? _____
- What fraction names the amount of the pie that was left over? _____

Bart divided each of the leftover pieces into 2 equal pieces. Draw a dashed line on each piece to show how Bart divided it.

After you divide each sixth-size piece into 2 equal pieces, there will be 12 pieces in the whole pie. The pieces are called twelfths.

- What fraction names the total number of pieces

Bart has left? _____

$\frac{\square}{6}$ and $\frac{\square}{12}$ are equivalent since they both name the same amount of the pie.

Math Talk

How do the size of the parts compare in the equivalent fractions? How do the number of parts compare?

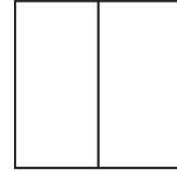
Share and Show



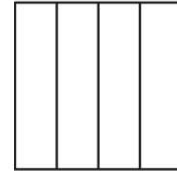
Use models to find the equivalent fraction.

1. $\frac{1}{2} = \frac{\square}{4}$

This model shows a whole divided into 2 equal parts.
Shade the model to show the fraction $\frac{1}{2}$.



This model shows a whole divided into 4 equal parts.
Shade the model to show a fraction equivalent to $\frac{1}{2}$.

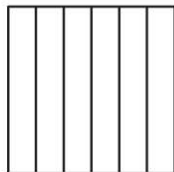
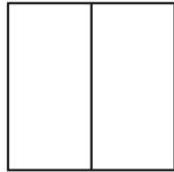


So, $\frac{\square}{2} = \frac{\square}{4}$.

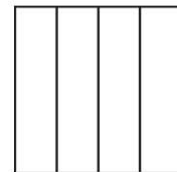
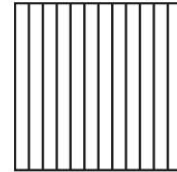
On Your Own

Use models to find the equivalent fraction.

2. $\frac{1}{2} = \frac{\square}{6}$



3. $\frac{9}{12} = \frac{\square}{4}$



Problem Solving



4. A loaf of bread has 12 slices. Micky ate $\frac{1}{4}$ of the loaf. Write the fraction of the loaf Micky ate in twelfths.

5. Sandra used $\frac{1}{4}$ of a meter of string to make a bracelet. Write the fraction of a meter of string Sandra used in eighths.
