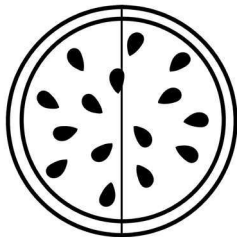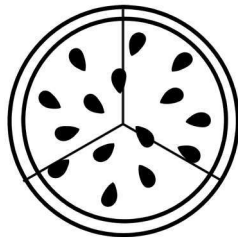# Fractions Equivalent to One Half

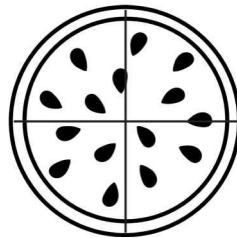Look at the watermelon sections below. If you can, shade parts to make a fraction equivalent to $\frac{1}{2}$. Then name each fraction to complete the comparison statements. Cross out watermelon sections that cannot make a fraction equivalent to $\frac{1}{2}$.
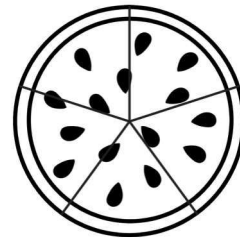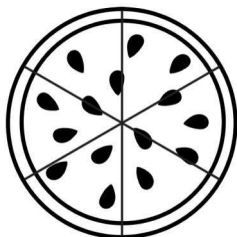
$\dfrac{}{2}$ $\dfrac{}{3} = \dfrac{1}{2}$ $\dfrac{}{4} = \dfrac{1}{2}$ $\dfrac{}{5} = \dfrac{1}{2}$
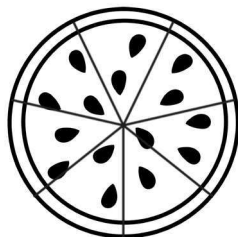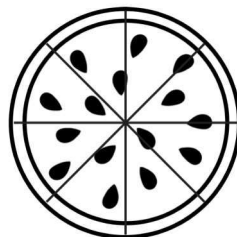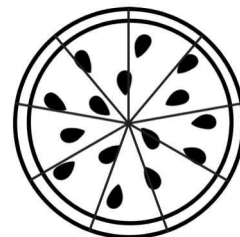
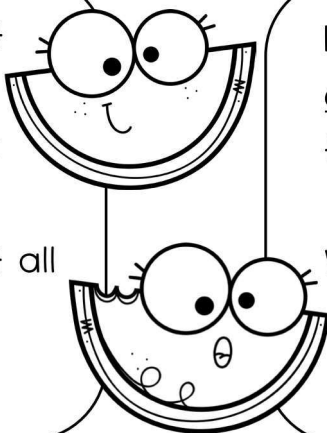$\dfrac{}{6} = \dfrac{1}{2}$ $\dfrac{}{7} = \dfrac{1}{2}$ $\dfrac{}{8} = \dfrac{1}{2}$ $\dfrac{}{9} = \dfrac{1}{2}$

List the denominators that <u>could be used</u> to make fractions equivalent to $\frac{1}{2}$:

What do you notice about all these denominators?

List the denominators that <u>could not be used</u> to make fractions equivalent to $\frac{1}{2}$:

What do you notice about all these denominators?

Fractions that are equivalent to $\frac{1}{2}$ always have a denominator that is _____.

A fraction with an _____ denominator can't be equivalent to $\frac{1}{2}$.

Compare Fractions to One-Half

Sometimes we can compare fractions to _____, to compare two fractions. One may be _____ than $\frac{1}{2}$ and the other may be _____ than $\frac{1}{2}$

Shade each fraction below and then put a **dotted line to show where $\frac{1}{2}$ would be**. Sometimes it will be in the middle of a box. Then compare each fraction to $\frac{1}{2}$.
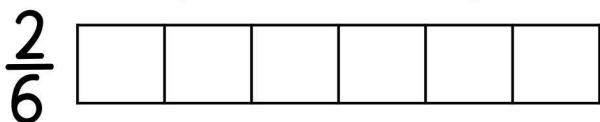
$\frac{5}{7}$ ⬚⬚⬚⬚⬚⬚⬚
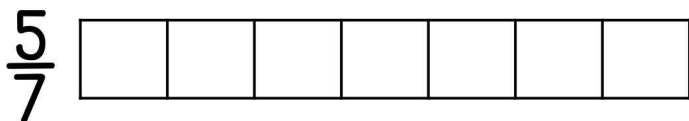
$\frac{5}{7}$ ◯ $\frac{1}{2}$

What is 7 ÷ 2?

Is the numerator larger than this number?
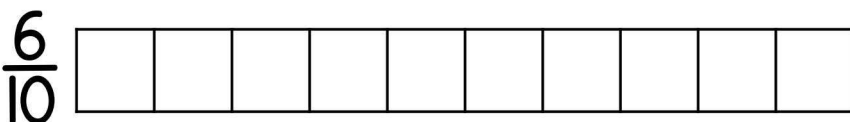
If it is, the fraction is greater than $\frac{1}{2}$.

$\frac{2}{6}$ ⬚⬚⬚⬚⬚⬚

$\frac{2}{6}$ ◯ $\frac{1}{2}$

What is 6 ÷ 2?

Is the numerator less than this number?

If it is, the fraction is less than $\frac{1}{2}$.

$\frac{6}{10}$ ⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚
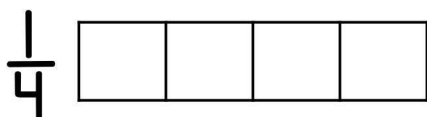
$\frac{6}{10}$ ◯ $\frac{1}{2}$

What is 10 ÷ 2?

The numerator is _____ than this number,

So the fraction is _____ than $\frac{1}{2}$.

$\frac{1}{4}$ ⬚⬚⬚⬚

$\frac{1}{4}$ ◯ $\frac{1}{2}$

What is 4 ÷ 2?

The numerator is _____ than this number,

So the fraction is _____ than $\frac{1}{2}$.