

3.1.1 - Using the Multiplicative Identity

Essential Question: How do I create equivalent fractions using the multiplicative identity?

BIG IDEAS:
multiplicative
identity

If any number or expression is multiplied by 1, the result is equal to the original number or expression.

Exs. $3 \cdot 1 = 3$

$$500 \cdot 1 = 500$$

$$-10 \cdot 1 = -10$$

$$\frac{1}{2} \cdot 1 = \frac{1}{2}$$

$$x \cdot 1 = x$$

Giant One

One way the multiplicative identity is used to create equivalent fractions is by using a Giant One.

$$\text{Ex } \frac{2}{3} \cdot \frac{\boxed{2}}{\boxed{2}} = \frac{4}{6}$$