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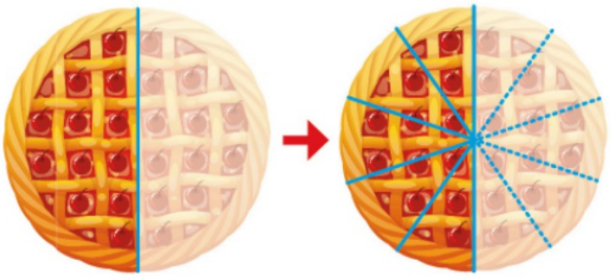
Let's Learn

a Lara has $\frac{1}{2}$ of a pie.
She cuts the pie into 5 equal parts.



$\frac{1}{2}$

10 parts
she has 5 parts out of 10

$\frac{5}{10}$

$\frac{1 \times 5}{2 \times 5} = \frac{5}{10}$

we multiply the numerator and denominator by the same number.

They are equivalent fractions

Equivalent fractions are parts of the same whole. They have different numerators and denominators but are equal in value.

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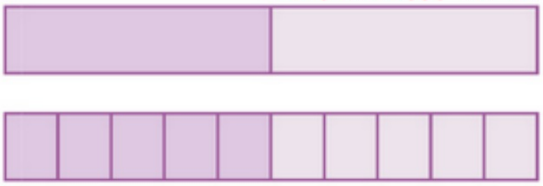
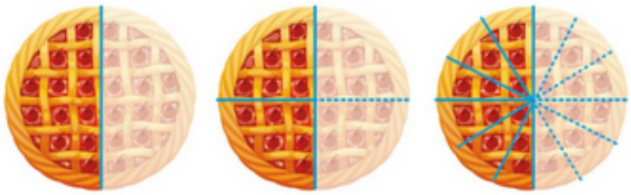
$\frac{1}{2}$ of the pie is the same as $\frac{5}{10}$ of the pie. $\frac{1}{2}$ and $\frac{5}{10}$ are **equivalent fractions**.



You can multiply to find the equivalent fraction of $\frac{1}{2}$.

$$\frac{1}{2} \overset{\times 5}{=} \frac{5}{10} \quad (\times 5)$$

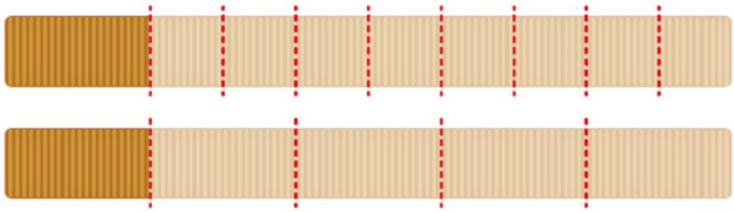
Find other equivalent fractions of $\frac{1}{2}$.



Use times tables of 2 and 4 to find other equivalent fractions.

$$\frac{1}{2} = \frac{2}{4} = \frac{6}{12} = \frac{4}{8}$$

b Izzy has $\frac{2}{10}$ of a strip of clay.



$$\frac{2}{10} \overset{\div 2}{=} \frac{1}{5}$$

You can also divide the numerator and denominator by the same number to find equivalent fractions.

$\frac{2}{10}$ and $\frac{1}{5}$ are **equivalent** fractions.