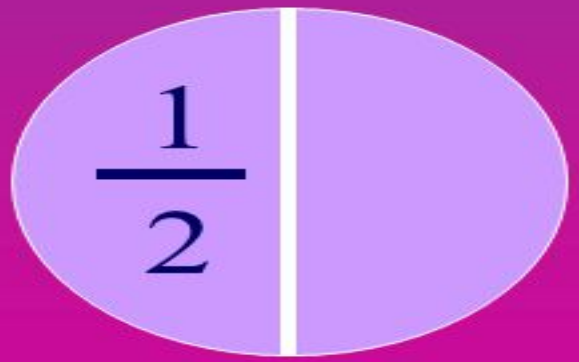
CLASS 6 FRACTIONS

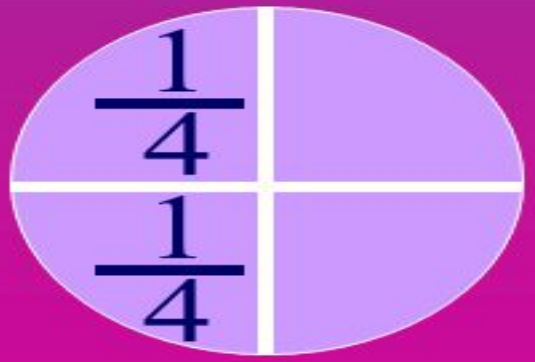
MODULE 2/4 EQUIVALENT FRACTIONS,LIKE FRACTIONS,FRACTIONS IN SIMPLEST FORM

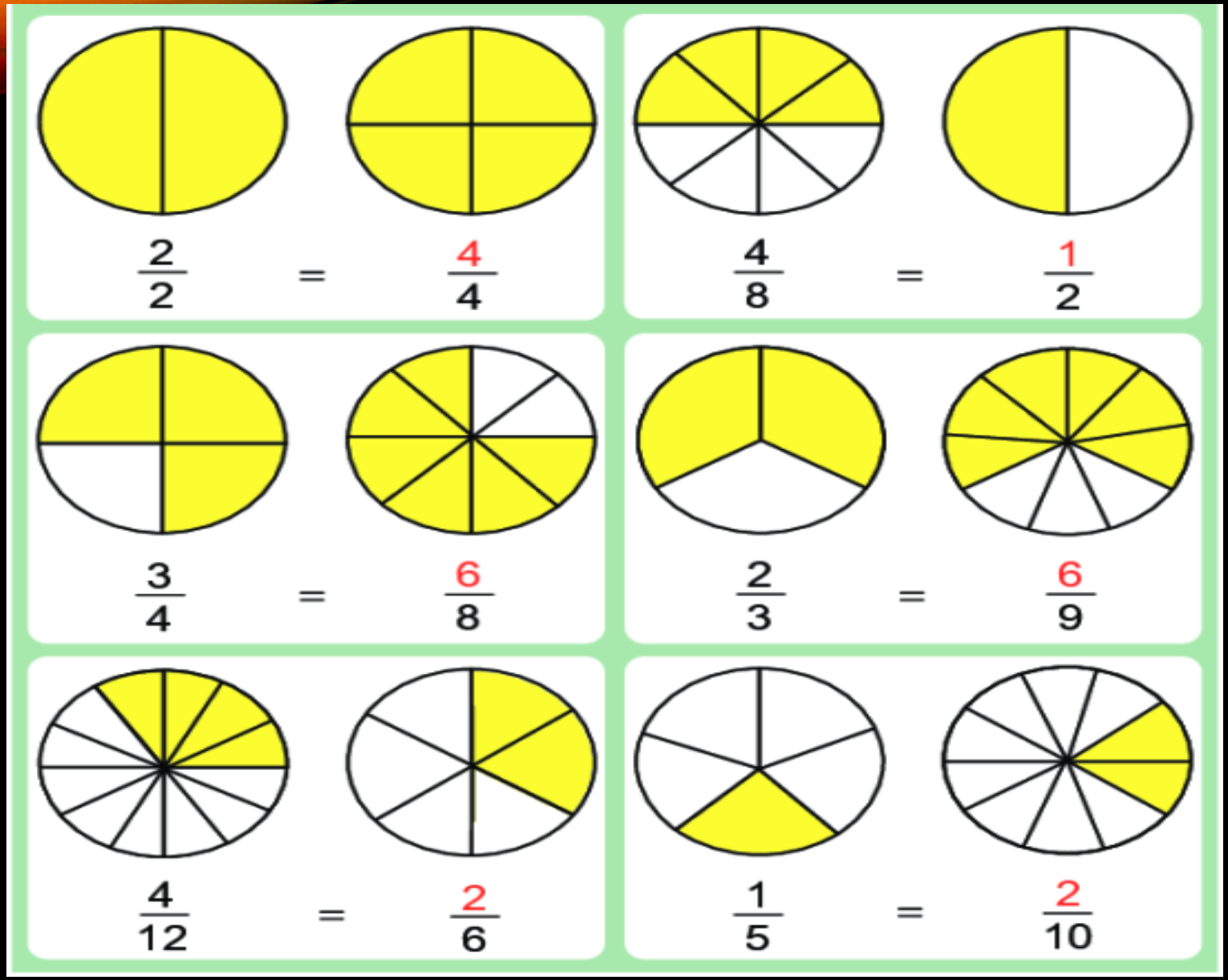
Equivalent Fractions

Equivalent Fractions name the same amount but have different numerators and denominators. They are sometimes called **equal fractions**.

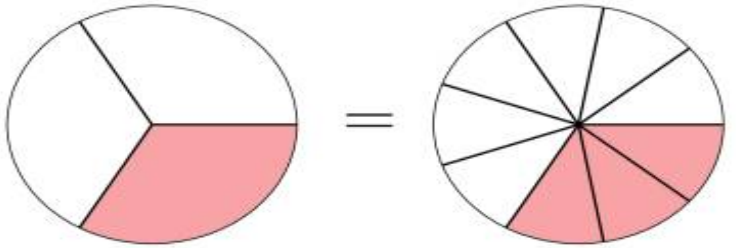


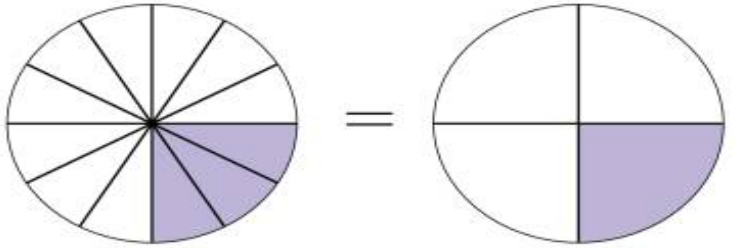
$$\frac{1}{2} = \frac{2}{4}$$

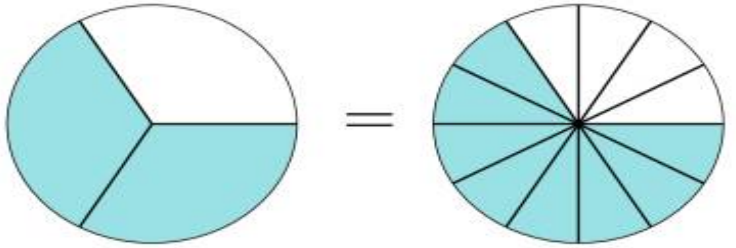


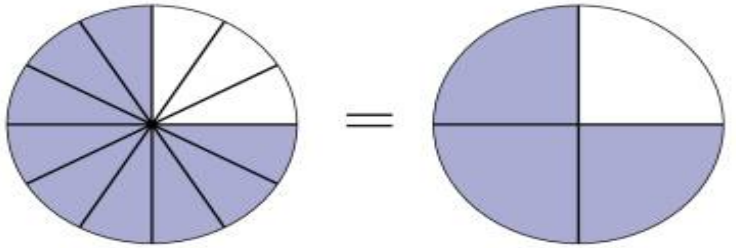

2/2 = 4/4
4/8 = 1/2
3/4 = 6/8
2/3 = 6/9
4/12 = 2/6
1/5 = 2/10

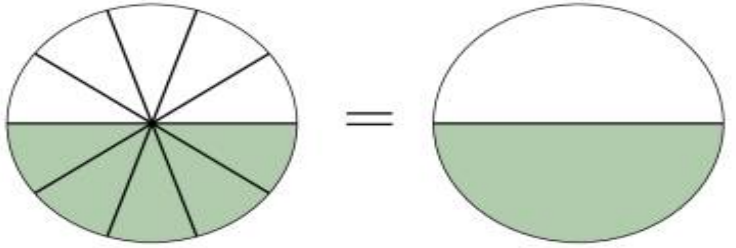
EXAMPLES

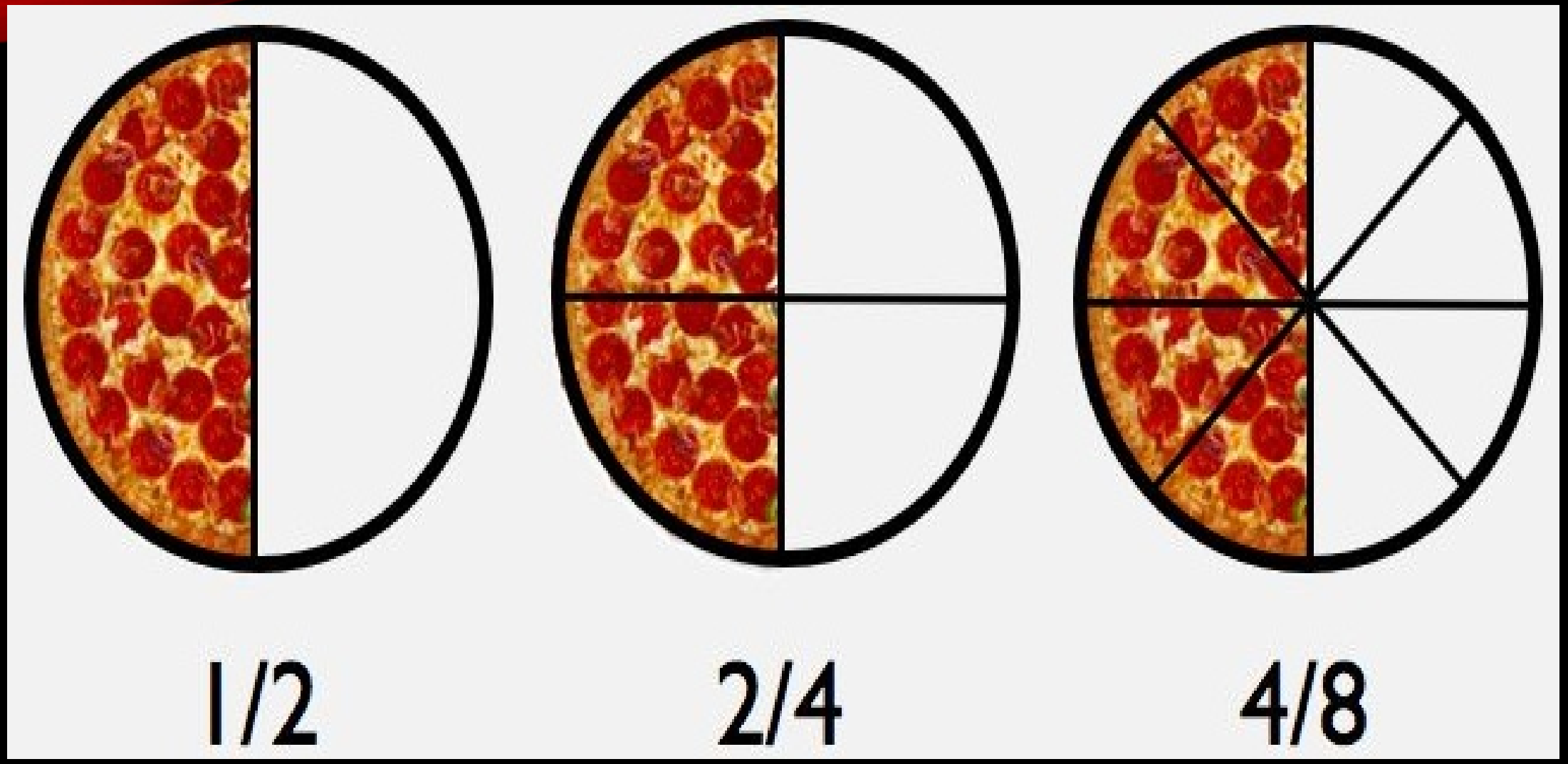
1.  $\frac{1}{3} = \frac{3}{9}$

2.  $\frac{1}{4} = \frac{3}{12}$

3.  $\frac{2}{3} = \frac{8}{12}$

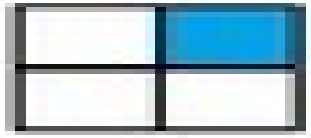
4.  $\frac{3}{4} = \frac{9}{12}$

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

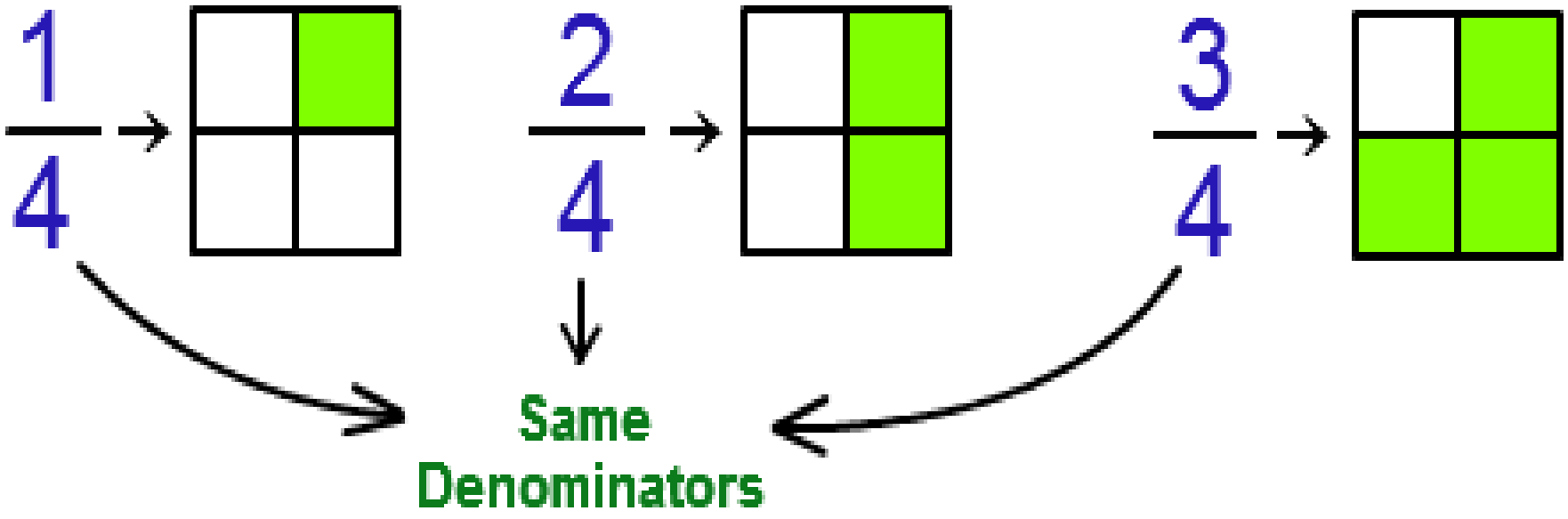

1/2
2/4
4/8

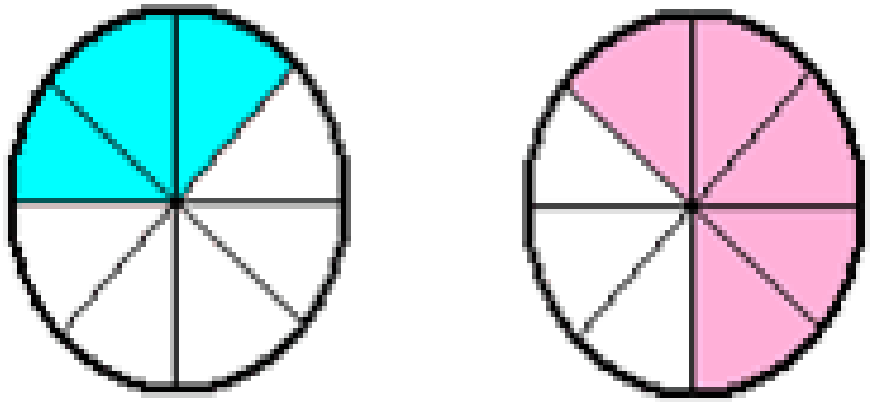
Like Fractions

Fractions with the same denominator.

$\frac{1}{4}$ →  $\frac{2}{4}$ →

Like Fractions





Example 1: $\frac{3}{8}$ $\frac{5}{8}$

like fractions

Example 2: $\frac{2}{13}, \frac{5}{13}, \frac{6}{13}, \frac{8}{13}$ and $\frac{9}{13}$ are like fractions.

CONVERSION OF FRACTIONS INTO ITS LOWEST TERMS

- When both the numerator and denominator have a common divisor, we can **reduce the fraction to its lowest terms.**

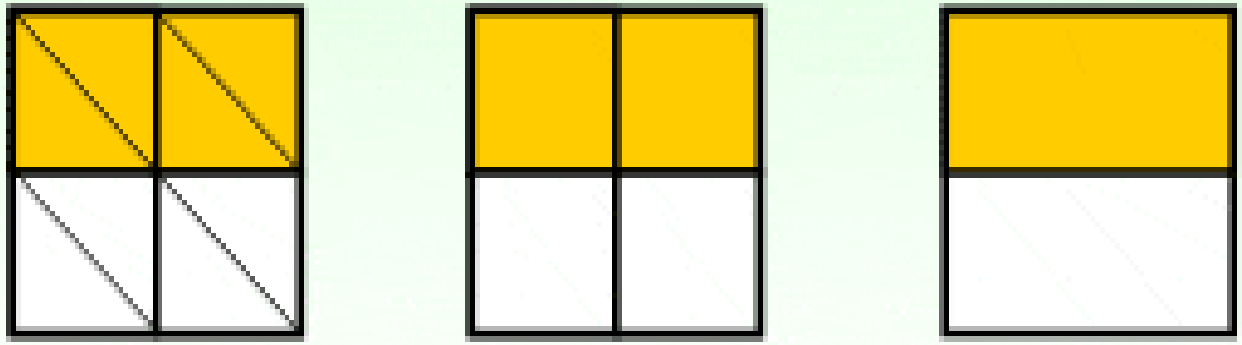
- A fraction is said to be in its lowest terms (or reduced) when the numerator and denominator are relatively prime (have no common divisors other than 1).

EXAMPLE

To express $\frac{4}{8}$ in simplest form.

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

simplest form



Simplifying Fractions

Steps:

1) Find GCF.
2) Divide the numerator and denominator by the GCF.

GCF of 12 and 18 = 6

$$\frac{12 \div \boxed{6}}{18 \div \boxed{6}} = \frac{2}{3}$$

This is 1!

Simplifying Fractions

- To write a fraction in **simplest form** or **lowest terms** follow these two steps:

1 – Find the Greatest Common Factor (GCF) of the numerator and denominator.

2 – Divide both the numerator and the denominator by the GCF.

Example: $\frac{12}{18}$ 12 – 1,2,3,4,**6**,12 $\frac{12}{18} \div \frac{6}{6} = \frac{2}{3}$

18 – 1,2,3,**6**,9,18 $18 \div 6 = 3$

THANK YOU