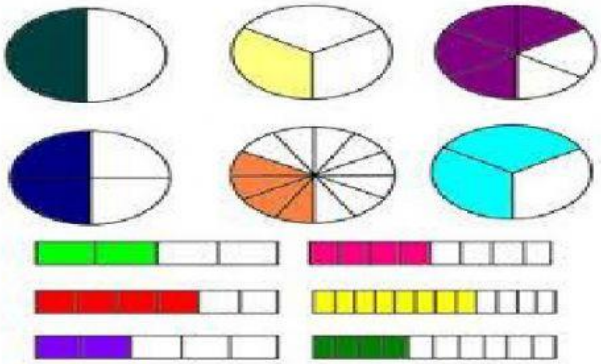
Fractions

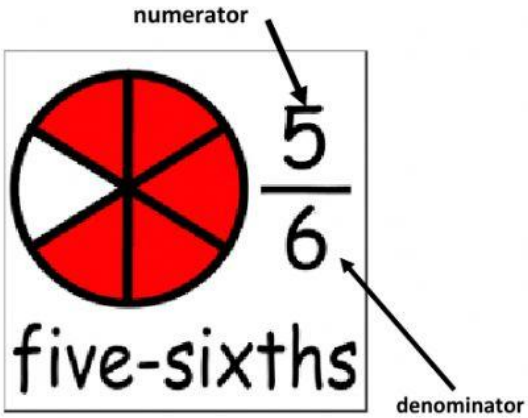
- A **fraction** is an equal part of a whole or a group of things.



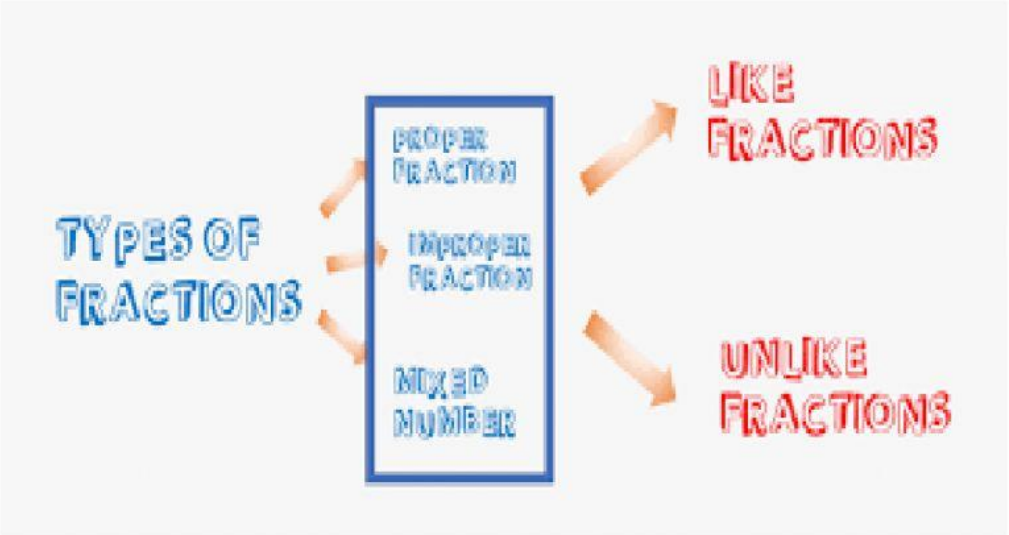
A fraction has two main parts.

The **numerator**- how many parts are taken out.

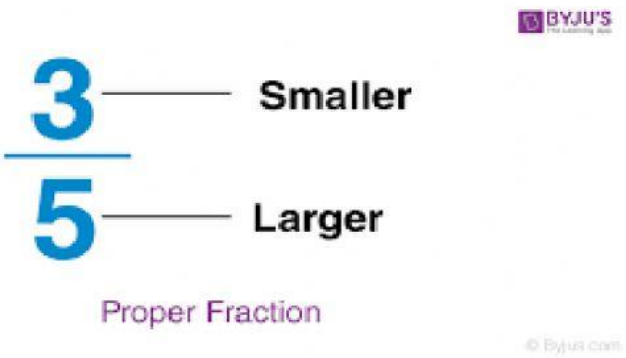
The **denominator**- how many parts the whole is divided into.



TYPES OF FRACTIONS

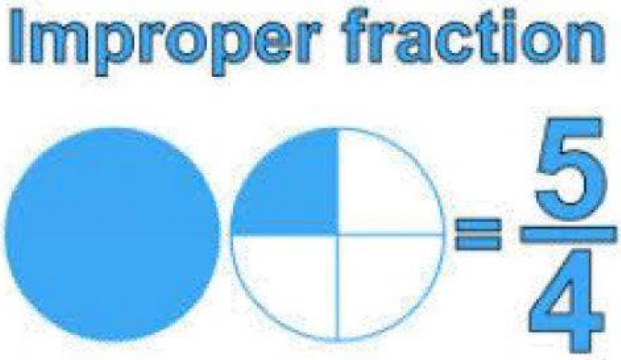


- **Proper fractions** are the fractions where the numerator is smaller than the denominator.

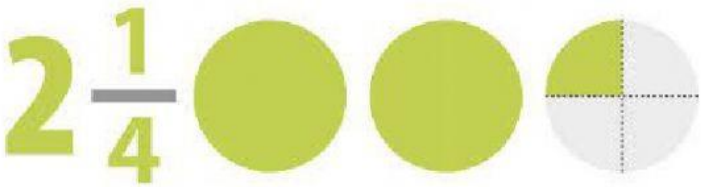


- **Improper fractions** are fractions where the numerator is bigger than the denominator.

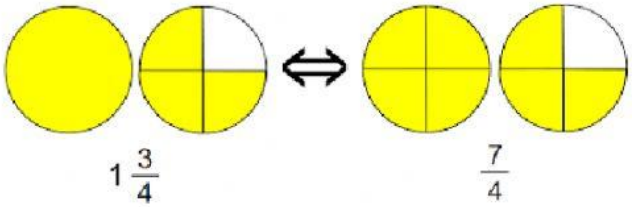
$\frac{2}{1}$ $\frac{4}{3}$ $\frac{8}{5}$



- **Mixed fraction** is simply an improper fraction written as the sum of a whole number and a proper fraction.



Mixed numbers can also be written as **improper fractions**.



You can change an improper fraction to a mixed number.

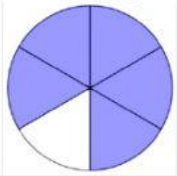
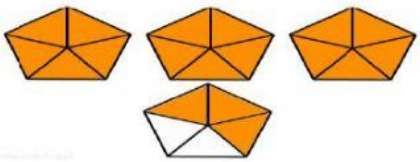
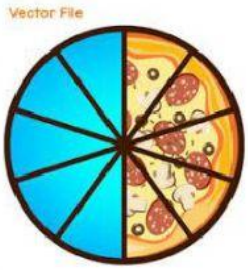
$$\frac{15}{7} \longrightarrow 7\overline{)15}$$

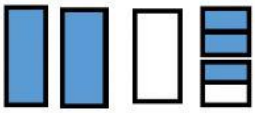
$$7\overline{)15} \longrightarrow \begin{array}{r} 2 \\ 7\overline{)15} \\ -14 \\ \hline 1 \end{array}$$

Answer = $2\frac{1}{7}$

Let's Practice

Complete the fraction table by writing the stated fraction for the object or objects and stating whether the fraction is **proper, improper** or **mixed**.

Object	Fraction	Type of Fraction
1. What fraction of animals are fish?	_____	_____
2. What fraction of the shape is shaded? 	_____	_____
3. Write the fraction that is shaded? 	_____	_____
4. What fraction of the pizza is missing? 	_____	_____

5. Write the fraction of the shape that is unshaded? 	_____	_____