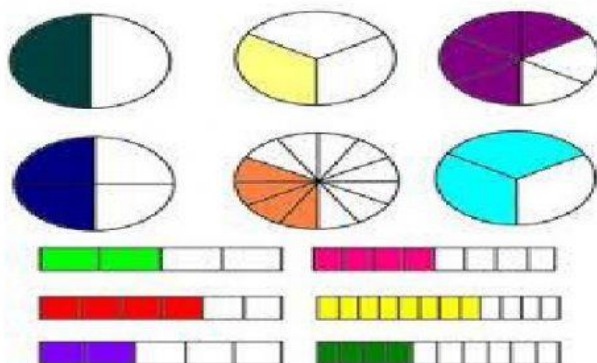


Fractions

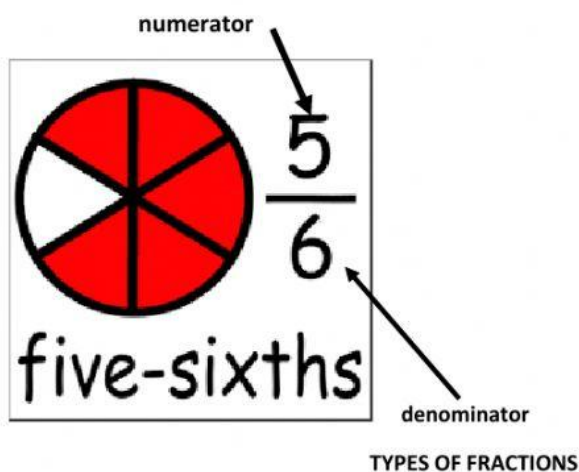
- A **fraction** is an equal part of a whole or a group of things.



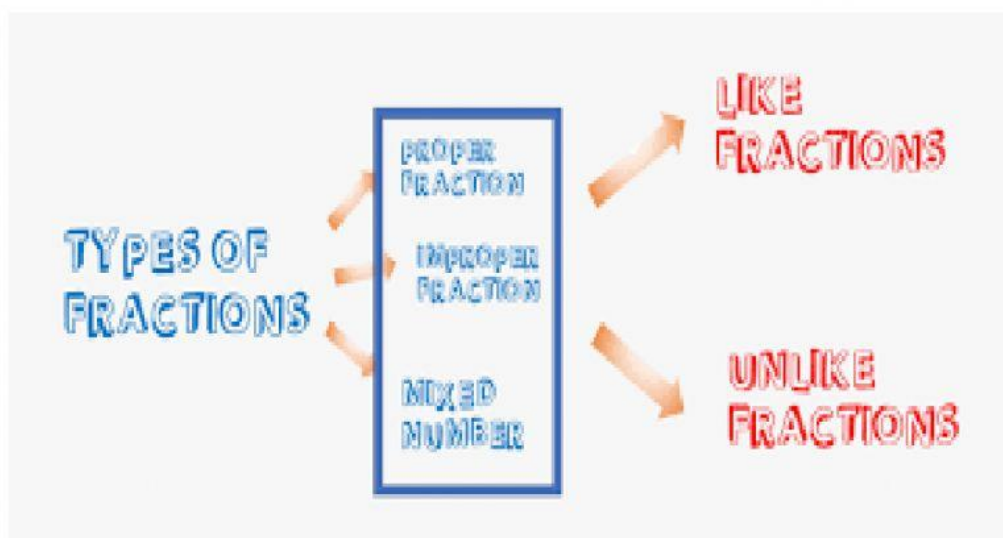
A fraction has two main parts.

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.

$$\frac{3}{5}$$

Smaller

Larger

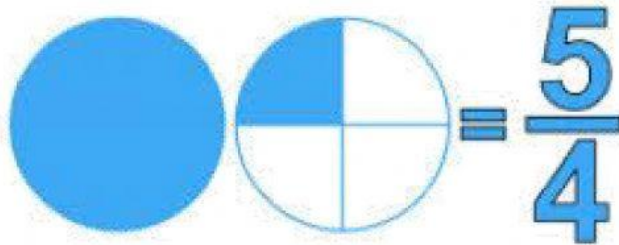
Proper Fraction

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

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

Improper fraction



$$\frac{9}{5}$$

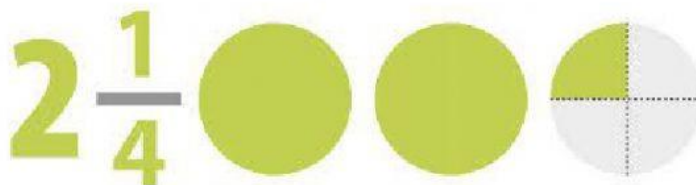
Larger

Smaller

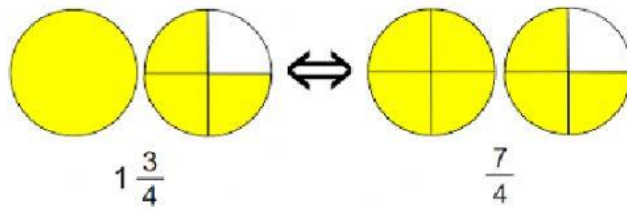
Improper Fraction

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- **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.

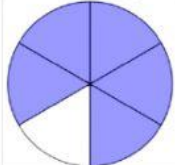
$$\frac{15}{7} \rightarrow 7 \overline{)15}$$

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

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?