Fractions: An Introduction

Vocabulary

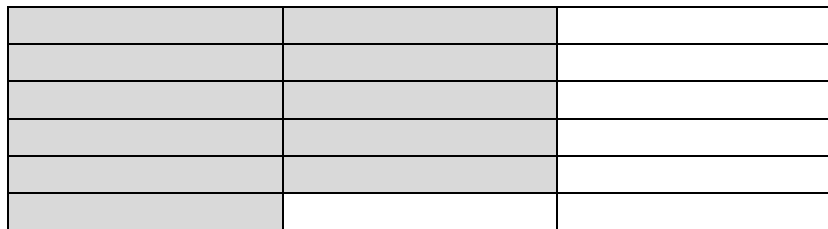| Fraction	A part of a whole quantity.
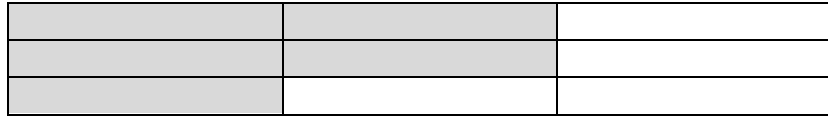
The shaded area represents 5 parts of the total 9 parts. This is represented by the fraction: $\dfrac{5}{9}$

A fraction is commonly written in the form: $\dfrac{a}{b}$ where $b \neq 0$.

A fraction can also be thought of as representing division: $a \div b$

TRY:

What fraction represents the shaded part?

Vocabulary

Numerator	The number, a, on top of the fraction.
Denominator	The number, b, on the bottom of the fraction.
Proper Fraction	A fraction where the numerator is less than the denominator. It names a number less than 1. Examples: $\dfrac{5}{9}$ $\dfrac{2}{3}$ $\dfrac{3}{8}$
Improper Fraction	A fraction where the numerator is greater than or equal to the denominator. It names a number greater than or equal to 1. Examples: $\dfrac{9}{5}$ $\dfrac{3}{2}$ $\dfrac{8}{3}$

TRY:

Identify each number as a proper fraction or an improper fraction.

$$\frac{9}{17} \qquad \frac{3}{29} \qquad \frac{80}{3} \qquad \frac{9}{9} \qquad \frac{3}{7} \qquad \frac{8}{13}$$