

**Fractions**

**Introduction**

Fractions are numbers representing part of a whole.

A fraction is a number of the form p/q, such that q is not equal to zero or one.

A fraction has two parts. The number on the top is numerator and the number below is the denominator.



The numerator can be greater or smaller than the denominator.

       For e.g. 1/5th of a pizza is a fraction , that is, written as 1/5.

Problem:  Are the following fraction? Zero

Solution:

O is not a fraction since it is a whole number.

Problem:  Are the following fraction? 9/3

Solution:

It is not a fraction because 9 is completely divisible by 3. This will reduce the number to a whole number 3 which is not a fraction.

Problem:  Write the fraction representing the shaded portion.

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The whole ball has been divided into 4 equal parts. Since only one of the four parts is shaded, the fraction representing the shaded portion would be ¼.

Problem: What fraction of an hour is 40 minutes?

1 hour = 60 min

1 min = 1/60 hours

40 min = 40/60 hours

= 4/6 hours

=2/3 hours

This can be shown by shading 2-3rd portion.

