

1.2 Place Value, Names for Numbers, and Reading Tables

Def. The **digits** 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 can be used to write numbers.

Def. The **natural numbers** are 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, ...

Def. The **whole numbers** are 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, ...

* Place Value of a Digit in a Whole Number

_____ , _____ , _____

Each group of three digits is called a **period**. The names of first three periods are **millions, thousands, ones**.

Ex 1. Find the place value of the digit 8 in each whole number.

a. 38,760,005 _____

b. 67,890 _____

c. 481,922 _____

* Writing a Whole Number in Words

Ex 2. Write each whole number in words.

a. 606,044 _____

b. 24,024,024 _____

c. 59,032 _____

* Writing a Whole Number in Standard Form

Ex 3. Write each whole number in standard form.

a. thirty thousand, seven _____

b. eight thousand, two hundred seventy-four _____

c. five million, six hundred seven thousand, four hundred thirty-two _____

* Writing a Whole Number in Expanded Form

Ex 4. Write 2765 in expanded form.

Ex 5. Write 4,030,201 in expanded form.