

# Elementary Mathematics Methods

## Video Guide Sheet

### Base Ten System

#### Focus

- Base Ten System of Numeration

#### Concepts To Think About

- Base ten blocks can be used to demonstrate the place value of the numerals in the base ten system. Base ten blocks are also referred to as place value blocks or Dienes blocks.

#### Tools

- base ten blocks

#### Process

- The base ten system of numeration operates on several principles, one of which is the value of the places in a numeral. Base ten blocks can be used to demonstrate the base ten system.
- Once the unit is defined then the rest of the pieces in the set can be defined.
- The standard is to define the units piece to represent the ones place.
- The rod is ten times as big as the unit and represents the tens place.
- The flat is ten times as big as the rod and represents the hundreds place.
- The cube is ten times as big as the hundreds and represents the thousands place.
- The set of base ten blocks is proportional as can be seen by comparing the actual size of the individual pieces.