The Real Number System:
- Consists of many different subsets (smaller groups).

WHOLE NUMBERS: the natural numbers and zero

$\{0, 1, 2, 3, \ldots\}$

INTEGERS: the natural numbers, their opposites, and zero

$\{\ldots -3, -2, -1, 0, 1, 2, 3, \ldots\}$

RATIONAL NUMBERS: integers and non-integers (terminating and repeating decimals). These numbers can be expressed in fraction form.

   Examples: $\frac{1}{2}$ .75   0   24 $\frac{9}{11}$

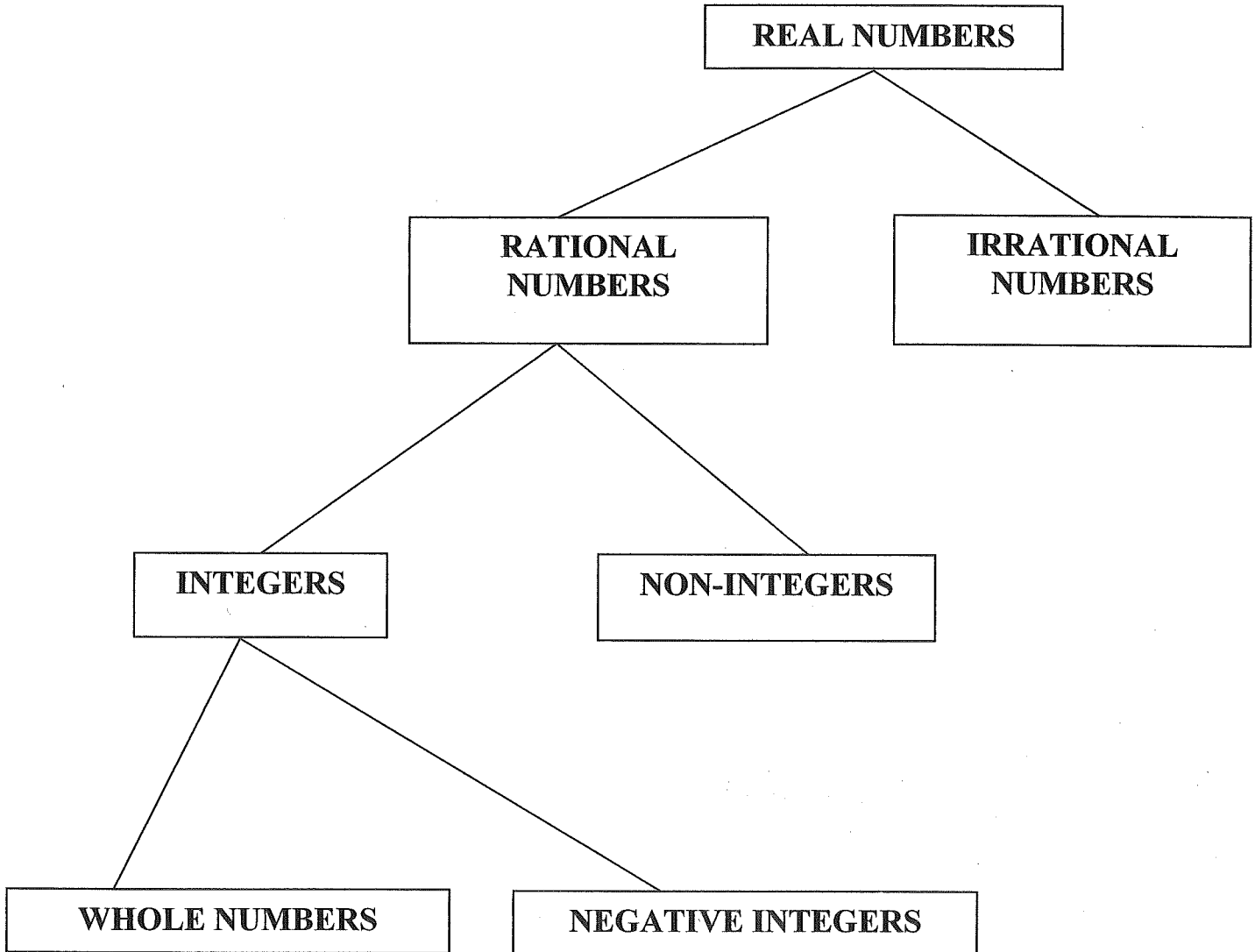**IRRATIONAL NUMBERS:**   neither terminating nor repeating decimal

   Examples: π

REAL NUMBERS: all the rational and irrational numbers

* <u>terminating</u>   ending

```
                          REAL NUMBERS


              RATIONAL                    IRRATIONAL
              NUMBERS                      NUMBERS


        INTEGERS              NON-INTEGERS


   WHOLE NUMBERS          NEGATIVE INTEGERS
```

☑ Complete practice page 5.