Decimal Place Value

Just like whole numbers, decimal numbers have names for their digits.
For example, in the number 1.234:

The 1 stands for the **units**. The **decimal point** is always written after the units.
The 2 stands for **tenths**.
The 3 stands for **hundredths**.
The 4 stands for **thousandths**.

Each place after the decimal point gets **smaller** as you go along.
For example, 7.75 is bigger than 7.57 because it has more **tenths**, even though 7.57 has more **hundredths**.

Questions

Write the value of the 2 in each of these decimal numbers:

0.295 \_\_\_\_\_\_\_ 0.1423 \_\_\_\_\_\_\_ 0.826 \_\_\_\_\_\_\_ 2.988 \_\_\_\_\_\_\_

3.824 \_\_\_\_\_\_\_ 1.0026 \_\_\_\_\_\_\_ 3.297 \_\_\_\_\_\_\_ 86.2114 \_\_\_\_\_\_\_

0.112 \_\_\_\_\_\_\_ 3.4523 \_\_\_\_\_\_\_ 9.152 \_\_\_\_\_\_\_ 120.009 \_\_\_\_\_\_\_

Write the digit that represents the **tenths** in each of these numbers:

0.34 \_\_\_\_\_\_\_ 2.8466 \_\_\_\_\_\_\_ 10.960 \_\_\_\_\_\_\_ 1,234.5678 \_\_\_\_\_\_\_\_

Write the digit that represents the **hundredths** in each of these numbers:

0.86 \_\_\_\_\_\_\_ 1.5546 \_\_\_\_\_\_\_ 85.969 \_\_\_\_\_\_\_ 1,008.8001 \_\_\_\_\_\_\_\_

Write the digit that represents the **thousandths** in each of these numbers:

0.996 \_\_\_\_\_\_\_ 8.4219 \_\_\_\_\_\_\_\_ 16.2432 \_\_\_\_\_\_\_\_ 3,219.8576 \_\_\_\_\_\_\_\_