Place Value Relationships

In multi-digit numbers, when the same two digits are next to each other, the value of the first digit is <u>ten times greater</u> than the value of the second digit. For example:

$$99$$
$$90 \div 9 = 10$$

When the same two digits are separated by one digit, the value of the first digit is <u>one hundred times</u> greater than the value of the second digit. For example:

$$909$$
$$900 \div 9 = 100$$

When the same two digits are separated by two digits, the value of the first digit is <u>one thousand times</u> greater than the value of the second digit. For example:

$$9{,}009$$
$$9{,}000 \div 9 = 1{,}000$$

Name the values of the given digits in the numbers below. Then tell how many times greater the first digit is than the second digit.

1. the 3s in 330 _____ _____   How many times greater? _____

2. the 2s in 202 _____ _____   How many times greater? _____

3. the 6s in 6,600 _____ _____   How many times greater? _____

4. the 1s in 1,001 _____ _____   How many times greater? _____

5. the 8s in 8,485 _____ _____   How many times greater? _____

6. the 7s in 5,797 _____ _____   How many times greater? _____