

2. Use the numbers in the table.
Write the number that has a 5 in:
- the ten-thousandths position
 - the millionths position
 - the thousandths position
 - the hundred-thousandths position
 - the tenths position

0.635 734
0.506 312
1.003 825
3.702 456
2.184 592

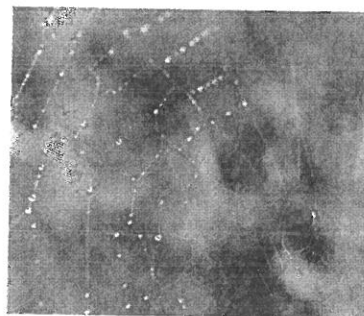
3. Describe the meaning of each digit in 4.524 371.
4. Write each number in standard form.
- | | |
|-----------------------------|-------------------------|
| a) 8 and 26 ten-thousandths | b) 24 millionths |
| c) 3 hundred-thousandths | d) 4 and 374 millionths |
5. Write each number in expanded form.
- | | | | |
|-----------|-------------|--------------|--------------|
| a) 0.0056 | b) 0.000 49 | c) 3.000 023 | d) 0.348 619 |
|-----------|-------------|--------------|--------------|
6. Write a decimal that is between:
- | | |
|--------------------|----------------------|
| a) 2.153 and 2.154 | b) 0.6534 and 0.6535 |
|--------------------|----------------------|

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7. Find two examples of very small numbers in the media.
Write each number in a place-value chart. Explain how you use the patterns in the chart to read these numbers.

8. How are the values of the red digits in each number related?
- | | | | |
|-------------|-----------|-------------|--------------|
| a) 5.000 05 | b) 2.1433 | c) 0.677 56 | d) 4.234 654 |
|-------------|-----------|-------------|--------------|

9. Write the number in each fact in as many different forms as you can.
- A strand of silk in the web of a garden spider has a diameter of about 0.000 003 m.
 - The diameter of one red blood cell is about 0.000 762 cm.
 - The mass of a grain of rice is about 0.000 02 kg.



10. Use any or all of these digits: 1, 0, 2, 0, 4, 0, 5, 0
- Write 5 numbers less than one thousandth.
 - Which of your numbers is the least? How do you know?
 - Which of your numbers is the greatest? How do you know?

Reflect

How do the patterns in a place-value chart help you read and write decimals less than one thousandth?