

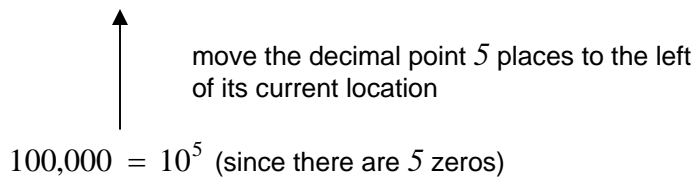
**PreAlgebra**  
**Skill-BUILDER #D-9**  
**Dividing Decimals by Powers of 10**

When dividing a decimal by  $10^n$ , we must move the decimal point  $n$  places to the left of its current location. Use zeros to fill in any missing places. Note that  $n$  coincides with the number of zeros in the power of 10.

- Reminders: 1) The sign of the number remains the same.  
2) If the number is a whole number, the decimal point is after the place value of ones, but before the place value of tenths.

**Example 1:**

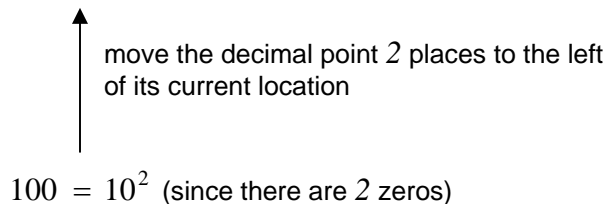
Divide:  $-67.235 \div 100,000$



**Answer:**  $-0.00067235$

**Example 2:**

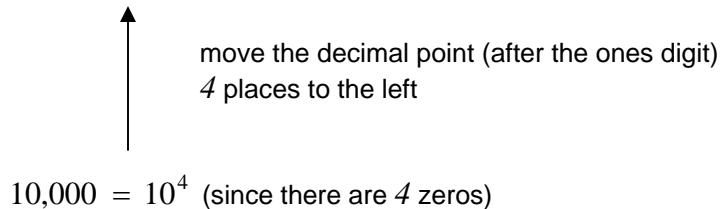
Divide:  $5.00023 \div 100$



**Answer:**  $0.0500023$

**Example 3:**

Divide:  $-43,346 \times 10,000$



**Answer:**  $-4.3346$

**PreAlgebra**  
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**Dividing Decimals by Powers of 10**

1. Divide:  $-56.7 \div 1,000$

2. Divide:  $2,586.127 \div 10$

3. Divide:  $-452.317 \div 10,000$

4. Divide:  $256 \div 1,000,000$

**PreAlgebra**  
**Skill-Builder #D-9**  
**Dividing Decimals by Powers of 10**

**Answers**

1.  $-0.0567$
2.  $258.6127$
3.  $-0.0452317$
4.  $0.000256$

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