

## Size It Up

1. The table contains seven measurements written in decimal and scientific notation.
- (a) Complete the table so that each measurement is written in *both* decimal *and* scientific notation.
- (b) In the last column, rank the measurements in order of size.  
(1 = smallest, 2 = next smallest, and so on up to 7 = largest)

Decimal Notation	Scientific Notation	Rank 1 = smallest 7 = largest
	$= 1 \times 10^{-2} \text{ m}$	
0.004 m	$=$	
200 m	$=$	
	$= 8 \times 10^5 \text{ m}$	
40,000,000 m	$=$	
40 m	$=$	
	$= 8 \times 10^{-4} \text{ m}$	

- 2 (a) Complete the following statement using two numbers in *decimal notation* from the table.

$$\text{-----} \times 4000 = \text{-----}$$

- 2 (b) Complete the following statement using two numbers in *scientific notation* from the table.

$$\text{-----} \times 50,000 = \text{-----}$$