Name _____ Date _____

Decimals in Expanded Form

You can write decimal numbers in different forms. Here's an example.

standard form	expanded form addition only	expanded form addition and multiplication
6.342	6 + 0.3 + 0.04 + 0.002	$6 \times 1 + 3 \times \frac{1}{10} + 4 \times \frac{1}{100} + 2 \times \frac{1}{1{,}000}$

Directions: Fill in the blanks in the table below.

standard form	expanded form addition only	expanded form addition and multiplication
2.6		$2 \times 1 + 6 \times \frac{1}{10}$
5.3	5 + 0.3	
4.08		$4 \times 1 + 8 \times \frac{1}{100}$
6.279		
0.92		
	3 + 0.5 + 0.007	
		$1 \times 1 + 3 \times \frac{1}{10} + 6 \times \frac{1}{100} + 4 \times \frac{1}{1{,}000}$
8.005		
		$4 \times \frac{1}{10} + 3 \times \frac{1}{100}$