



Name _____

Place Patterns

Directions: Complete each row. Then answer the pattern question.

Decimal	$\times 10$	$\times 100$	$\times 1,000$
1) 1.4			
2) 0.36			
3) 5.08			
4) 2.75			
5) 0.904			
6) 8.019			

Pattern Questions

- $4.56 \times 10 = \underline{\hspace{2cm}}$
- $4.56 \times 100 = \underline{\hspace{2cm}}$
- $4.56 \times 1,000 = \underline{\hspace{2cm}}$
- $0.089 \times 10 = \underline{\hspace{2cm}}$
- $0.089 \times 100 = \underline{\hspace{2cm}}$
- $0.089 \times 1,000 = \underline{\hspace{2cm}}$
- Complete the rule: When multiplying by 10, the digits move _____ place to the _____.
- Complete the rule: When multiplying by 100, the digits move _____ places to the _____.
- Complete the rule: When multiplying by 1,000, the digits move _____ places to the _____.
- Look at this pattern. Complete it.
 $0.27 \times 10 = 2.7$ | $0.27 \times 100 = 27$ | $0.27 \times 1,000 = \underline{\hspace{2cm}}$