Expanding Whole Numbers

Instructions: Write the following numbers in expanded form.

In Expanded Form using exponential notation, we write the numbers as a sum of each digit's value.

1. 45,972 = _____ + _____ + _____ + _____ + _____

(4 × ____) + (5 × ____) + (9 × ____) + (7 × ____) + (2 × ____)

(___ × 10) + (___ × 10) + (___ × 10) + (___ × 10) + (___ × 10)

2. 857,638 = _____ + _____ + _____ + _____ + _____ + _____

(8 × ____) + (5 × ____) + (7 × ____) + (6 × ____) + (3 × ____) + (8 × ____)

(___ × 10) + (___ × 10) + (___ × 10) + (___ × 10) + (___ × 10) + (___ × 10)

3. 910,467 = _____ + _____ + _____ + _____ + _____ + _____

(9 × ____) + (1 × ____) + (0 × ____) + (4 × ____) + (6 × ____) + (7 × ____)

(___ × 10) + (___ × 10) + (___ × 10) + (___ × 10) + (___ × 10) + (___ × 10)

4. 5,345,892 = _____ + _____ + _____ + _____ + _____ + _____ + _____

(5 × ____) + (3 × ____) + (4 × ____) + (5 × ____) + (8 × ____) + (9 × ____) + (2 × ____)

(___ × 10) + (___ × 10) + (___ × 10) + (___ × 10) + (___ × 10) + (___ × 10) + (___ × 10)

5. 1,234,234 = _____ + _____ + _____ + _____ + _____ + _____ + _____

(1 × ____) + (2 × ____) + (3 × ____) + (4 × ____) + (2 × ____) + (3 × ____) + (4 × ____)

(___ × 10) + (___ × 10) + (___ × 10) + (___ × 10) + (___ × 10) + (___ × 10) + (___ × 10)