Name _____

Place Value and Expanded Notation

In our base-ten numeration system, there are many ways to write a number such as **34,692**.

Standard Form: 34,692 **Expanded Form: 30,000 + 4,000 + 600 + 90 + 2**

Word Form: Thirty-four thousand, six hundred ninety-two

This place-value chart shows **753,241,908,458**.

Place-Value Chart

Billions Period			Millions Period			Thousands Period			Ones Period		
Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones
7	5	3	2	4	1	9	0	8	4	5	8

← Periods

← Place Values

← Digits

The number is separated into **4** groups of **3** digits, each called **periods**. Remember to separate periods with commas.

753 billion, **241** million, **908** thousand, **458** ← Short Word Form

Seven hundred fifty-three *billion,* two hundred forty-one *million,* nine hundred eight *thousand,* four hundred fifty-eight ← Word Form

Match.

1. 47,328,000 _____ a. thirty-two thousand, two hundred eight

2. 3,020,080 _____ b. forty-seven million, three hundred twenty-eight thousand

3. 3,200,008 _____ c. three million, two hundred thousand, eight

4. 32,208 _____ d. three million, twenty thousand, eighty

5. 80,800,800 _____ e. eighty million, eight hundred thousand, eight hundred

Complete.

6. 60 hundreds = _____ thousands

7. 7 thousands = _____ hundreds

8. 20 hundred thousands = _____ millions

9. 3,000 millions = _____ billions

10. 5 million = _____ thousands

4 hundreds = _____ tens

10 thousands = _____ ten thousand

70 thousands = _____ hundreds

10 billion = _____ millions

45 tens = _____ ones

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LIVEWORKSHEETS