

Solving Place-Value Riddles

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NAME _____

DATE _____

TIME _____

Solve the number riddles.

- ① I have 5 digits.
My 5 is worth 50,000.
My 8 is worth 8,000.
One of my 6s is worth 60.
The other is worth 10 times as much.
My other digit is a 0.

What number am I?

- ③ I have 4 digits.
My 7 is worth $7 * 1,000$.
My 2 is worth 200.
One of my 4s is worth 40.
The other is worth $\frac{1}{10}$ as much.

What number am I?

- ⑤ I have 5 digits.
My 4s are worth 4 [10,000s] and $4 * 10$.
One of my 3s is worth 3,000.
The other is worth $\frac{1}{10}$ as much.
My other digit is a 2.

What number am I?

- ② I have 5 digits.
My 9 is worth $9 * 10,000$.
My 2 is worth 2 thousand.
One of my 7s is worth 70.
The other is worth 10 times as much.
My other digit is a 6.

What number am I?

- ④ I have 6 digits.
One of my 3s is worth 300,000.
The other is worth $\frac{1}{10}$ as much.
My 6 is worth 600.
The rest of my digits are zeros.

What number am I?

- ⑥ I am the largest 7-digit number you can write with the digits 3, 6, 9, 4, 0, 8, and 2.

What number am I?



Practice

Solve.

- ⑦ $4 * (3 + 2) =$ _____
- ⑧ $100 - [(25 / 5) * 10] =$ _____
- ⑨ $\{(24 / 6) + (36 / 6)\} + 2 =$ _____
- ⑩ $(3 * 5) - (2 * 5) =$ _____
- ⑪ $(3 * 7) + (2 * 5) =$ _____
- ⑫ $(56 / 7) * (42 / 7) =$ _____