

Place Value Puzzles

Use what you know about place value. A digit is worth 10 times more one place to the left.

Example: In 77,000 the first 7 is worth **70,000** and the next 7 is worth **7,000**. 70,000 is **10 times** 7,000.

A Ten Times as Much

1. 700 is ___ times 70

Answer: _____

2. 5,000 is ___ times 500

Answer: _____

3. 30,000 is ___ times 3,000

Answer: _____

4. What is 900×10 ?

Answer: _____

5. What is 10 times 6,000?

Answer: _____

6. What is $80,000 \div 10$?

Answer: _____

B Number Riddles

7. I am a 6-digit number. My hundred thousands digit is 4. My ten thousands digit is 2 more than that. All my other digits are 0. What number am I?

Answer: _____

8. I have 3 hundred thousands, 0 ten thousands, 8 thousands, 5 hundreds, 0 tens, and 2 ones. What number am I?

Answer: _____

C Order the Numbers least to greatest

9. 406,215 · 460,125 · 46,521 · 406,512

Order: _____

★ Safari Challenge

Make a 6-digit number with a 5 in the ten thousands place and a 0 in the tens place. Write it in word form too.

Answer Key: Place Value Puzzles

Use what you know about place value. A digit is worth 10 times more one place to the left.

Example: In 77,000 the first 7 is worth **70,000** and the next 7 is worth **7,000**. 70,000 is **10 times** 7,000.

A Ten Times as Much

1. 700 is ___ times 70

Answer: **10**

2. 5,000 is ___ times 500

Answer: **10**

3. 30,000 is ___ times 3,000

Answer: **10**

4. What is 900×10 ?

Answer: **9,000**

5. What is 10 times 6,000?

Answer: **60,000**

6. What is $80,000 \div 10$?

Answer: **8,000**

B Number Riddles

7. I am a 6-digit number. My hundred thousands digit is 4. My ten thousands digit is 2 more than that. All my other digits are 0. What number am I?

Answer: **460,000**

8. I have 3 hundred thousands, 0 ten thousands, 8 thousands, 5 hundreds, 0 tens, and 2 ones. What number am I?

Answer: **308,502**

C Order the Numbers least to greatest

9. 406,215 · 460,125 · 46,521 · 406,512

Order: **46,521, 406,215, 406,512, 460,125**

★ Safari Challenge

Make a 6-digit number with a 5 in the ten thousands place and a 0 in the tens place. Write it in word form too.

Answers vary. Sample: 152,304 = one hundred fifty-two thousand three hundred four