

Grade 4 · Place Value to One Million · Quiz

Common Core 4.NBT.A.1, 4.NBT.A.2 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

Try these 10 multiple-choice questions on place value to one million. Each has one correct answer. Look at the figures, find the place of each digit, and remember that each place is worth ten times the place to its right.

Grade 4 Common Core: 4.NBT.A.1 · 4.NBT.A.2

Questions

Question 1

What is the value of the highlighted digit in 460,315?

Thousands period			Ones period		
Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
4	6	0	3	1	5

Place-value chart for 460,315 with the ten thousands digit highlighted.

- A. 6,000
- B. 60,000
- C. 600,000
- D. 600

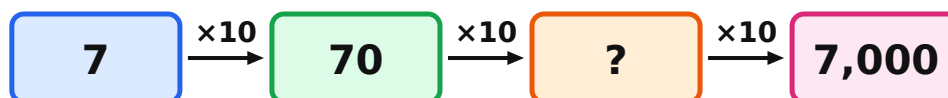
Question 2

The number 400 is 10 times as much as which number?

- A. 4
- B. 4,000
- C. 410
- D. 40

Question 3

Which number belongs in the blank box?



Chain: 7, 70, ?, 7,000 with times 10 between boxes.

- A. 7,000
- B. 700
- C. 170
- D. 77

Question 4

Which is the number name for 50,208?

- A. fifty thousand two hundred eighty
- B. fifty thousand two hundred eight
- C. five thousand two hundred eight
- D. fifty thousand two hundred eighteen

Question 5

Which is 83,046 in expanded form?

- A. $80,000 + 3,000 + 40 + 6$
- B. $80,000 + 3,000 + 400 + 6$
- C. $8,000 + 300 + 40 + 6$
- D. $80,000 + 300 + 40 + 6$

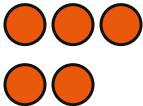
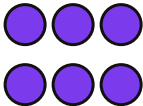
Question 6

Which comparison is true?

- A. $27,509 < 27,590$
- B. $27,509 > 27,590$
- C. $27,509 = 27,590$
- D. $2,759 > 27,509$

Question 7

Which number do the disks show?

Ten thousands	Thousands	Hundreds	Tens	Ones
				

Disks in five columns.

- A. 3,526

- B. 35,026
- C. 30,526
- D. 30,562

Question 8

Which number is the greatest?

- A. 98,402
- B. 89,420
- C. 98,420
- D. 9,842

Question 9

The 3 in 3,000 is how many times as much as the 3 in 300?

- A. 3 times
- B. 100 times
- C. 1,000 times
- D. 10 times

Question 10

How many hundred thousands make 1,000,000?

Millions	Thousands period			Ones period		
Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
1	0	0	0	0	0	0

Place-value chart for 1,000,000 with the millions digit highlighted.

- A. 100
- B. 1,000
- C. 10
- D. 1

Answer key

1. **B** - The 6 is in the ten thousands place, so it is worth $6 \times 10,000 = 60,000$. Choosing 6,000 means counting one place too few.
2. **D** - $40 \times 10 = 400$. Picking 4,000 multiplies by 10 instead of undoing the multiplication.
3. **B** - $70 \times 10 = 700$ and $700 \times 10 = 7,000$. Adding a 7 to make 77 ignores the times 10 rule.
4. **B** - 50 thousand, then 208 is two hundred eight. Mixing up the tens and ones gives eighty.
5. **A** - 8 is in the ten thousands place, 3 in thousands, 0 in hundreds, 4 in tens, and 6 in ones. The common mistake is putting the 4 in the hundreds place.
6. **A** - The first different place is the tens place: 0 is less than 9, so 27,509 is less. The other choices read the symbol backward or ignore the number of digits.
7. **C** - 3 ten thousands, 0 thousands, 5 hundreds, 2 tens, and 6 ones make 30,526. Leaving out the empty thousands place gives 3,526.
8. **C** - 9,842 has the fewest digits. Of the five-digit numbers, 98,420 and 98,402 beat 89,420, and 98,420 has the greater tens digit.
9. **D** - $300 \times 10 = 3,000$. Neighbor places differ by a factor of 10, not by the digit.
10. **C** - The 1 in the millions place is worth 10 times one hundred thousand, so ten hundred thousands make one million.

Remember:

- A digit in any place is worth 10 times as much as the same digit one place to its right.
- The places from right to left are ones, tens, hundreds, thousands, ten thousands, hundred thousands, and millions.
- A number can be written as a numeral, as a number name, and in expanded form.
- To compare two numbers, find the first place from the left where the digits differ.
- Ten hundred thousands make one million, written 1,000,000.