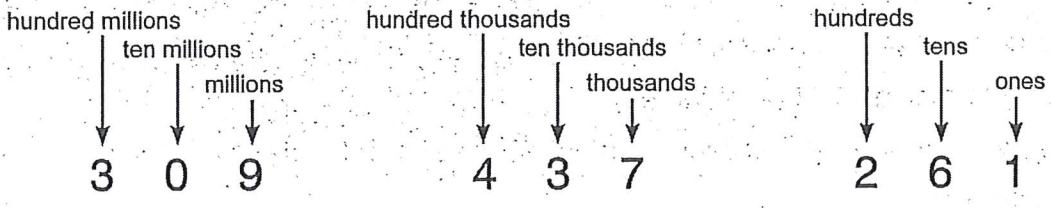
NS7-1 Place Value

The place values in 309 437 261 are:



1. Write the next three place values greater than hundred millions, from largest to smallest.

_____ _____ *billions*

2. Underline the digit with the given place value.

a) 250 329 120 ten millions

b) 791 250 329 120 ten billions

c) 791 250 329 120 hundred millions

d) 791 250 329 120 thousands

e) 791 250 329 120 billions

f) 791 250 329 120 hundred thousands

3. Write the place value of the bold digit.

a) 8**6**1 359 746 323 *ten billions*

b) 861 35**9** 746 323 *millions*

c) 861 **3**59 746 323 _____

d) **8**61 359 746 323 _____

e) 861 3**5**9 746 323 _____

f) 86**1** 359 746 323 _____

4. Write the number with the correct spacing, then write the place value of the digit 5.

a) 1405897660213 = *1* *405* *897* *660* *213* place value: *billions*

b) 76312098532 = _____ _____ _____ _____ _____ place value: _____

c) 995132498763 = _____ _____ _____ _____ _____ place value: _____

d) 3542706 = _____ _____ _____ _____ _____ place value: _____

e) 5410328 = _____ _____ _____ _____ _____ place value: _____

f) 841073521960347 = _____ place value: _____

5. Write each number in expanded form. Example: 74 512 = 70 000 + 4 000 + 500 + 10 + 2

a) 378 403 _____

b) 16 025 _____

c) 721 803 _____

6. Write the number for each expanded form. Example: 50 000 + 600 + 40 = 50 640

a) 30 000 + 4 000 + 50 + 3 _____

b) 600 000 + 30 _____

c) 40 000 + 200 + 5 _____

7. Find the missing number.

a) $4\,000 + 300 + \_\_\_\_\_ + 7 = 4\,327$ b) $2\,000\,000 + 30\,000 + \_\_\_\_\_ + 2 = 2\,035\,002$

8. In Japan, numbers are grouped by 4s, starting from the right.

Example: 52341 is written 5 2341 (not 5234 1)

a) Rewrite each number using Japanese spacing and then count the digits.

89034582367121 = _____ _____ digits

8904358239121 = _____ _____ digits

b) Does Japanese spacing make it easier to count the digits? _____

c) Circle the number from part a) that is larger. How do you know? _____

_____

_____

When two numbers have the same number of digits, we can compare the numbers by looking at the first digit that is different, starting from the left. Example: 764 322 769 303

this number is larger

9. Underline the left-most digits that are different and then circle the larger number in each pair.

a)	(84 312)	84 065
b)	74 312 908	74 314 873
c)	7 860 432	5 860 432
d)	531 658	531 662

10. Circle the larger number in each pair. First the digits. Then, if necessary, look for the left-most digit that is different.

a)	543 806	5 412 679
b)	983 152 801	984 125 108
c)	654 009 280	654 092 800
d)	45 678 098 531	45 679 908

11. In the number 36, the 3 is worth 30 and the 6 is worth 6, so the 3 is worth 5 times as much as the 6. How many times more is the first bold digit worth than the second?

a) **84** _____ b) **84**0 _____ c) **8** 423 _____ d) **84** 502 _____ e) **847** 631 _____ f) **8** 430 601 _____

g) **8**04 _____ h) **8** 324 _____ i) **8**3 204 _____ j) 9**8**3 204 _____ k) 2**8**3 651 4**0**9 _____ l) 5**8**7 03**4** _____

BONUS▶ 37 215 48**6**

12. Write each number in words.

Example: 41 832 107 forty-one million eight hundred thirty-two thousand one hundred seven

a) 5 210 354 b) 573 312 400 c) 576 401 311 212 d) 31 485 620 417