6-digit numbers

Read, write, order and compare numbers up to 1 000 000 and determine the value of each digit

enge

1 Write the place value of each digit in these numbers.

a 28 651 b 31 628

c 45 237 d 58 105

e 39 444 f 63 810

Example

24 738 = 20 000 + 4000 + 700 + 30 + 8

2 Choose two of the numbers from Question 1 and write them out in words.

3 Order each set of numbers, smallest to largest.

a 52 761, 39 163, 16 922, 43 811, 53 178, 83 621

b 37 812, 34 823, 31 243, 30 836, 39 264, 35 144

c 28 476, 28 576, 28 097, 28 312, 28 204, 28 599

d 56 983, 65 411, 56 072, 65 308, 56 333, 65 365

e 12 763, 10 673, 13 703, 17 306, 10 763, 12 367

f 78 653, 78 651, 78 659, 78 654, 78 650, 78 655

nge

1 Write the place value of each digit in these numbers.

a 164 821 b 272 927

c 406 366 d 793 141

e 804 782 f 577 226

Example

365 871 = 300 000 + 60 000 + 5000 + 800 + 70 + 1

2 Choose two of the numbers from Question 1 and write them out in words.

3 Copy these numbers and write a number in each space, still keeping the order.

a 276 100, , 285 365, , 291 287

b 346 508, , 347 000, , 347 580

c 208 156, , 218 386, , 228 541

d 528 387, , 528 598, , 528 782

e 811 376, , 876 361, , 904 326

f 989 532, , 991 638, , 994 762

4 Write the next number.

a 548 623 b 402 387 c 527 659 d 299 653

e 728 699 f 620 285 g 583 399 h 199 999

Challenge 3

1 

a Use the number cards to make ten different 6-digit numbers.

b Order your numbers, smallest to largest.

c Choose two of the numbers and write them out in words.

d Partition two of your numbers to show the place value of each digit.

Hint

Organising your numbers in a systematic way will help to check you do not repeat any answers.

Example

427 082 = 400 000 + 20 000 + 7000 + 80 + 2

2 I'm thinking of a number.

- The 1s digit is 5.
- The 10 000s digit is even.
- The 100s digit is lower than 4.
- The 100 000s digit is higher than 7.

What could my number be? Write down eight possible answers.