

**QUICK TIP!**

Hey Kids! Time for a super fun math lesson, courtesy of Math Madness!

**EXPANDED FORM**

Each digit in a whole number represents a value times a power of ten. When you add up the values after multiplication, you get the whole number. You can use this to write out the 'expanded form' of a number. Check out the examples below.

Ex. 1:  $8053 = 8 \times 1000 + 0 \times 100 + 5 \times 10 + 3 \times 1 = 8000 + 0 + 50 + 3$

The eight is in the thousands place, the zero is in the hundreds place, the 5 in the tens place and the 3 in the ones place.

Ex. 2:  $52607 = 5 \times 10000 + 2 \times 1000 + 6 \times 100 + 0 \times 10 + 7 \times 1$   
 $= 50000 + 2000 + 600 + 0 + 7$

The five is in the ten-thousands place, the two is in the thousands place, the 6 in the hundreds place, the zero in the tens place and the 7 in the ones place.

**TRY IT!**

Write the numbers below in expanded form.



57,305 = \_\_\_\_\_

234,105 = \_\_\_\_\_

9,993,438 = \_\_\_\_\_

3,003 = \_\_\_\_\_

90,457 = \_\_\_\_\_

425 = \_\_\_\_\_

704,201 = \_\_\_\_\_

1,006,003 = \_\_\_\_\_