Name _____   Date _____

Patterns in Products with Many Zeros - Step-by-Step Lesson

Lesson 1 Use Whole-number exponents to denote powers:

How do you write 5.5×10^3 ?

Explanation:

Step 1) We should know that the power of 10 tells us how many places to move the decimal point to the right.

Step 2) Now, we want to move the decimal point 3 places to right. First, write extra zeroes to the right of the decimal point.

But we have to remember that writing extra zeroes to the right of a decimal does not change its value.

$5.5 = 5.500$

Step 3) Now we will move the decimal point 3 places to the right.

$5.500 \longrightarrow 5,500$

$5.5 \times 10^3 = 5,500$