

Multiplying a Whole Number by a Power of 10

1. Solve the following problems:

$26 \times 10^1 =$

$26 \times 10^2 =$

$26 \times 10^3 =$

$43 \times 10^1 =$

$43 \times 10^2 =$

$43 \times 10^3 =$

$54 \times 10^1 =$

$54 \times 10^2 =$

$54 \times 10^3 =$

2. Choose three other 2-digit numbers between 10 and 100. Multiply each number by 10^1 , 10^2 , and 10^3 .
3. What pattern do you notice in the number of zeros in the product when multiplying a number by powers of 10? Explain.