

Multiplying by 5:

A. This method will instruct you to write the answers from right to left.

1. When multiplying by 5, it is easier to divide by 2 and multiply by 10.
2. If the number you are multiplying is odd, then the last number will be a 5 (see Ex [2]), otherwise the last number is 0.

B. Examples:

Ex [1] $5 \times 142 =$ _____.

- a) $142 \div 2 = 71$. Write 71.
- b) Since 142 is even the last number is 0. Write 0.
- c) The answer is 710.

Ex [2] $5 \times 142857 =$ _____.

- a) $142857 \div 2 = 71428$ with a remainder of 1. Write 71428.
- b) Since there is a remainder of 1, the last number is 5. Write 5.
- c) The answer is 714285.

*Note: This trick works because $5 = 10 \div 2$.