

Multiplying By 75:

A. Many people use this method to multiply by 75. However, some people prefer to use the [FOIL Method](#) or the [Double and Half Method](#). It is up to the individual's preference.

1. Think of 75 as being $(\frac{3}{4}) \times 100$.
2. Divide by 4.
3. Multiply by 3, and then multiply by 100.
4. If there is a remainder (r), then add $75r$ to the answer.

B. Examples:

Ex [1] $84 \times 75 =$ _____.

- a) $84 \div 4 = 21$.
- b) $21 \times 3 = 63$. $63 \times 100 = 6300$.
- c) The answer is 6300.

Ex [2] $123 \times 75 =$ _____.

- a) $123 \div 4 = 30$ with a remainder of 3.
- b) $30 \times 3 = 90$. $90 \times 100 = 9000$.
- c) Since 3 is the remainder multiply $75 \times 3 = 225$ and add to 9000 or 9225.
- d) The answer is 9225.