

Multiplying By 875:

A. Multiplying by 875 is derived from [Multiplying by 125](#). Since $875 = 1000 \times (\frac{7}{8})$ you can divide by 8, multiply by 7, and then multiply by 1000.

Ex [1] $88 \times 875 =$ _____.

- a) $88 \div 8 = 11$.
- b) $11 \times 7 = 77$.
- c) $77 \times 1000 = 77000$.
- d) The answer is 77000.

Ex [2] $416 \times 875 =$ _____.

- a) $416 \div 8 = 52$.
- b) $52 \times 7 = 364$.
- c) $364 \times 1000 = 364000$.
- d) The answer is 364000.