

Multiplying By 625:

A. Multiplying by 625 is derived from [Multiplying by 125](#). Since $625 = 1000 \times (\frac{5}{8})$ you can divide by 8, multiply by 5 (see section I for an easy way of doing this), and multiply by 1000.

Ex [1] $64 \times 625 =$ _____.

- a) $64 \div 8 = 8$.
- b) $8 \times 5 = 40$.
- c) $40 \times 1000 = 40000$.
- d) The answer is 40000.

Ex [2] $625 \times 816 =$ _____.

- a) $816 \div 8 = 102$.
- b) $102 \times 5 = 510$.
- c) $5100 \times 1000 = 510000$.
- d) The answer is 510000.