

Finding Factors by Division by Primes

Find Factors of 48.

$$\begin{array}{l} \underline{48} \\ 48 \cdot 1 \\ 24 \cdot 2 \\ 12 \cdot 4 \\ 6 \cdot 8 \\ 3 \cdot 16 \end{array}$$

By dividing by 2 and multiplying by 2, using the Multiplicative Inverse, results in multiplying by 1. The Identify for Multiplication results in the number.