

Prime factorization

Factor

a digit, or number in a multiplication number sentence.

Ex. $5 \times 6 = 30$ - product
factor factor

Factor Pair

Two factors multiplied to get a product

Prime

can only have a factor pair of 1 and itself.

1 ^{special} ≠ $\frac{13}{1 \times 13}$ prime

1

neither prime or composite
special

composite

Have 2 or more factor

pairs 24 $\{2, 3, 4, 6, 8, 12, 24\}$
 1×24
 2×12
 3×8
 4×6