NC.4.NBT.5	Multiply a whole number of up to three digits by a one-digit whole number, and multiply up to two two-digit numbers with place value understanding using area models, partial products, and the properties of operations. Use models to make connections and develop the algorithm.
DESCRIPTION	This chart demonstrates the properties of multiplication in kid-friendly language, along with actual examples of the properties in action.

Commutative Associative You can group the factor in different ways and the factors in any order product will be the same, and the product is the Same. 3×4×2=24 5 ×4 = 20 3 × (4x2)=24 4X5=20 tiplication Distributive A multiplication The product of any number and L is that fact can be broken up number. 562 X1 = 562 into the sum of two CO other multiplication tacts. Zero-23×2=? The product of any number and zero is (20XZ) + (3XZ)

NC.4.NBT.5	Multiply a whole number of up to three digits by a one-digit whole number, and multiply up to two two-digit numbers with place value understanding using area models, partial products, and the properties of operations. Use models to make connections and develop the algorithm.
DESCRIPTION	This anchor chart demonstrates four different strategies for students to use when multiplying.

ication c oduc 20 + 5 × 16 120 18 18+120=038 Place Value Distributive 23×6 23×6 20 \$6= 120 (20x6)+(3x6) 3×6= 120 18

NC.4.NBT.5	Multiply a whole number of up to three digits by a one-digit whole number, and multiply up to two two-digit numbers with place value understanding using area models, partial products, and the properties of operations. Use models to make connections and develop the algorithm.
DESCRIPTION	In this anchor chart, there are two models for how to multiply two two-digit numbers. Both models are effective ways to arrive at solutions for multiplication. It is important when using the Lattice Model that students understand the place value of the numbers in the model.



NC.4.NBT.5	Multiply a whole number of up to three digits by a one-digit whole number, and multiply up to two two-digit numbers with place value understanding using area models, partial products, and the properties of operations. Use models to make connections and develop the algorithm.
DESCRIPTION	This teacher created chart showcases both partial products and area models for multiplication. It also gives four different examples of how students may choose to multiply in fourth grade.

