Name _____

Use Models and Strategies to Divide Whole Numbers

Topic 5 Standards

5.NBT.B.6

See the front of the Student's Edition for complete standards.

Dear Family,

   In this topic, your student continues to develop his or her understanding of division by using number sense and models to divide whole numbers up to 4-digits by 2-digit divisors.
   Your student will use strategies such as rounding and compatible numbers to estimate quotients. Then he or she will use patterns, relationships, and the standard algorithm to calculate the actual quotients.
   Here are two activities that you can do with your student to help him or her review division and practice estimating when dividing with greater numbers and two-digit divisors.

Reviewing Basic Facts

Review basic division facts. Have your student name a related multiplication fact for each division fact. For example, if the flash card shows $42 \div 7 = 6$, a related multiplication fact is $6 \times 7 = 42$.

Break It Up

Step 1 Choose a 3-digit number, such as 526.

Step 2 Work with your student to create a story that involves dividing the chosen whole number into a number of equal groups that is greater than 10.

Step 3 Have your student find the number in each group and tell if there is a remainder.

Observe Your Child

Focus on Mathematical Practice 7
Look for and make use of structure.

Help your child become proficient with Mathematical Practice 7. Have your student explain how knowing a basic division fact like $12 \div 4 = 3$ can help them find the quotient $1,200 \div 40$.