Divide Four-Digit Numbers

Dear Family,

This week your child is learning to divide four-digit numbers by one-digit numbers.

Your child is learning to divide a four-digit number by a one-digit number.

One way your child can solve a division problem is to find **partial quotients**. With this strategy, your child divides by breaking the dividend into parts.

Below shows one way to divide 2,113 by 4 by finding partial quotients.

The partial quotients are 500, 25, and 3. The remainder is 1.

Altogether, there are 500 + 25 + 3, or 528, groups of 4 in 2,113, with 1 left over.

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2,113 \div 4 = 528 R 1
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Invite your child to share what he or she knows about dividing four-digit numbers by doing the following activity together.

ACTIVITY DIVIDING FOUR-DIGIT NUMBERS

Do this activity with your child to divide four-digit numbers.

Materials 1 number cube (or dot cube)

- Have your child roll a number cube five times to make a division problem with a four-digit number and a one-digit number.
- The first four rolls form the four-digit number in the order of the rolls. The first roll is the thousands digit. The last roll is the divisor.

Example: Your child rolls a 4, 2, 6, 1, and 3. The division problem is 4,261 \div 3.

• Have your child find the quotient. There may or may not be a remainder.

Example: $4,261 \div 3 = 1,420 R 1$

• Then you multiply to check your child's answer.

Example: $3 \times 1,420 = 4,260$ 4,260 + 1 = 4,261Your child's answer is correct!

- Switch roles and repeat the activity with you doing the division and your child using multiplication to check the answer.
- The player with the greater quotient wins the round.
- Play three rounds.







