

Divide Three-Digit Numbers

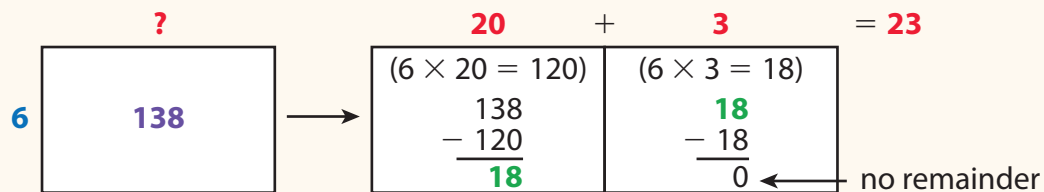


Dear Family,

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

Your child is learning about division. He or she is also learning terminology related to division. You may hear your child use the terms **dividend**, **divisor**, and **quotient**. The **dividend** is the number being divided, the **divisor** is the number by which the dividend is divided, and the **quotient** is the result of the division. If the dividend is not a whole number multiple of the divisor, the amount left is called the remainder.

Your child is learning to divide a three-digit number by a one-digit number. One way your child can divide is by using an area model. With this strategy, your child divides by breaking apart the problem into smaller parts and using repeated subtraction. The problem below shows how to divide 138 by 6.



Altogether, there are $20 + 3$, or 23, groups of 6 in 138, so $138 \div 6 = 23$.

Your child is also learning to check the answer by multiplying the quotient, 23, by the divisor, 6, to make sure that the product is equal to the dividend of 138.

Check: $23 \times 6 = 138$, so the answer is correct.

Invite your child to share what he or she knows about dividing three-digit numbers by doing the following activity together.

ACTIVITY DIVIDING THREE-DIGIT NUMBERS

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

Materials book with a number of pages in the hundreds

- With your child, choose a favorite book and look at the number of pages it has.
- Tell your child that you want to read the entire book in 1 week. Ask your child to help you figure out how many pages you would need to read each day to finish the book in 1 week.
- Have your child use division to find the answer. For example, if the book has 157 pages, your child would divide 157 by 7. ($157 \div 7 = 22 \text{ R } 3$, which means that there are 22 groups of 7 in 157 and a remainder of 3.)
- You and your child can check the answer to the division problem by using multiplication. If you have a remainder, remember to add the remainder to the product.
- Decide what to do if you have a remainder. Will you read one page each day for the number of days shown by the remainder, or will you read all the remaining pages on the last day?
- Repeat this activity with other favorite books at least three more times.