

Dear Family,

This week your child is learning to divide whole numbers by a two-digit number.



One way to solve a division problem such as $624 \div 12$ is to set it up vertically.

First divide the hundreds in 624 by 12.
There are 50 groups of 12 in 600.

Then divide the tens in 624 by 12.
There are 2 groups of 12 in 24.

Add the partial quotients to find the quotient.
 $50 + 2 = 52$

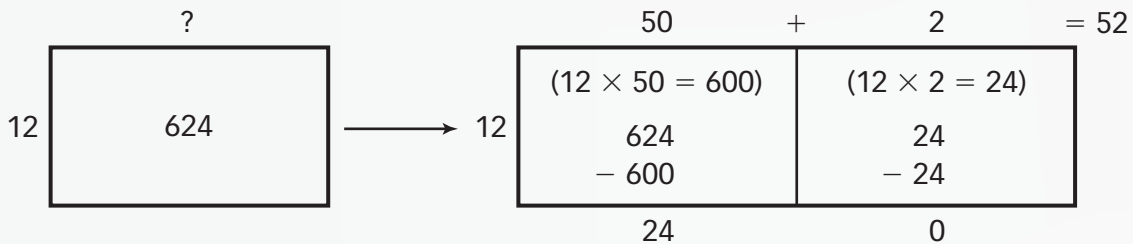
$$624 \div 12 = 52$$

52	quotient
2	partial quotients
50	

$$\begin{array}{r}
 12 \overline{)624} \\
 \underline{-600} \\
 24 \\
 \underline{-24} \\
 0
 \end{array}$$

Another way your child is learning to divide is with an area model, similar to the model used in multiplication.

The area model below shows $624 \div 12$.
Since multiplication and division are inverse, or opposite, operations, use the relationship between them to divide.



$$624 \div 12 = 52$$

Both methods result in the same quotient, 52. Notice that 50 and 2 appear as partial quotients in each way of dividing.

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



Division Activity

Work with your child to solve real-life problems involving division.

- Choose a favorite book with your child and look at the total number of pages in it. The book should have more than 100 pages. Pick a number of pages to read each day (a two-digit number). How many days would it take to read the entire book?
- Use division to find the answer.
 - Example: Suppose the book has 286 pages and the number of pages to be read each day is 15. Divide 286 by 15.
- Work together to write and solve the division problem about the book.
- Decide what to do if there is a remainder. Will you read the remaining number of pages on the next day, or will you read the remaining number of pages on the last day of reading?

