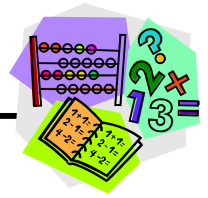


Dividing Whole Numbers



Chad makes 48 cookies to share with 12 friends. How many cookies will each friend receive? To find the answer, you need to use division.

The division statement $48 \div 12$ can be represented using the following methods.

In number form:

$$\begin{array}{c} \text{dividend} \rightarrow 48 \div 12 = 4 \leftarrow \text{quotient} \\ \uparrow \\ \text{divisor} \end{array}$$

OR

$$\begin{array}{r} \text{divisor} \rightarrow 12 \overline{) 48} \\ \begin{array}{r} 4 \\ \times 12 \\ \hline 48 \end{array} \end{array}$$

4 ← quotient
48 ← dividend

The **dividend** is the number being divided.

The **divisor** is the number doing the dividing.

The **quotient** is the answer to a division question.

In word form: Forty-eight divided by twelve equals four.

OR

Twelve divided into forty-eight equals four.

Many strategies can be used when dividing numbers, such as drawing, mind math, manipulatives, calculators or pencil and paper.

Example

The diagram shows 48 cookies organized into 4 groups of 12. The quotient is 4.



Entering $48 \div 12 =$ on a calculator displays the answer of 4.

$$48 \div 12 = 4$$

Whatever method you use, it is important to understand the process of division.