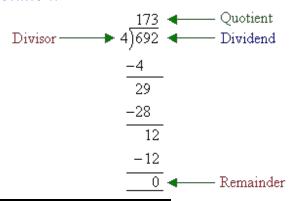
## **Basic Long Division**

Calculate 692 ÷ 4.

## Solution:



Thus  $692 \div 4 = 173$ .

## Note:

- As division is the inverse of multiplication, start by dividing 4 into the column furthest to the left.
- $6 \div 4 = 1$  and 2 is the remainder.
- Clearly, the remainder 2 is 200 (i.e. 20 tens); and we can carry this into the tens column to make 29. This is written as shown below.

$$\frac{1}{4)692}$$
 $\frac{-4}{29}$ 

- Now, 29 ÷ 4 = 7 with a remainder of
   Clearly, the remainder of 1 is 10
   (i.e. 10 units) and we carry this into
   the units column to make 12. This is
   written as:
- Finally,  $12 \div 4 = 3$ , which is illustrated in the solution shown above.

• Finally,  $12 \div 4 = 3$ , which is illustrated in the solution shown above.

## **QUESTIONS????**

$$\begin{array}{r}
 17 \\
 4)692 \\
 -4 \\
 29 \\
 -28 \\
 \hline
 12
 \end{array}$$

What is the value of the 4 that you are subtracting from the 6 in 692? Actually you are subtracting 600-400=200

Answer = 400