

## The "long" division algorithm

**Connect**

**973 divided by 3**

I do

Today I want to share a strategy for doing the same partial quotient method, but in the fastest possible way

973 divided by 3

$$\begin{array}{r} 324 \overline{)3} \\ 3 \overline{)973} \\ \underline{-900} \quad 3 \times 300 \\ \quad \underline{73} \quad 3 \times 20 \\ \quad \quad \underline{60} \quad 3 \times 4 \\ \quad \quad \quad \underline{13} \\ \quad \quad \quad \quad \underline{12} \\ \quad \quad \quad \quad \quad \underline{1} \end{array}$$

284 divided by 4

## We do

A wonderful donor bought 475 Expo markers for 4 5th grade teachers to share

$$\begin{array}{r} 4 \overline{) 475} \\ \underline{400} \phantom{0} \\ 75 \\ \underline{40} \phantom{0} \\ 35 \\ \underline{32} \\ 3 \end{array} \rightarrow R3$$

$118 \frac{3}{4}$

$4 \times 100 =$   
 $4 \times 10 =$   
 $4 \times 8 =$

Wait a minute... make that 275.

## **You do together on whiteboard**

**During a big school event, we will need to fit all 535 RD Head students into 7 rooms.**

## **You do alone on index card**

**NAME**

**Dr Doblal once biked 104 miles in 6 hours. How many miles did he ride each hour?**