



# Colegio Bilingüe New Horizons

Our Strongest Conviction is Academic Excellence

Accredited by New England Association of Schools and Colleges (NEASC)

Coordinator: Lucy Ramirez // Teacher: Nayiba Batista

Priscilla Garrido, Principal

## E-Bulletin

NOVEMBER 2012

4<sup>th</sup> grade

Challenging



Mathematics

### CONTENTS

#### ARITHMETIC:

##### Power of Natural Numbers

- Concept
- Terminology
- Squares and Cubes

##### Division of Natural Numbers

- Algorithm.
- Terms in the division.
- One digit divisors
- Mental Calculation
- Two Digit Divisors



**Exponents**  
at [pppst.com](http://pppst.com)

$$(5)(5)(5) = 5^3$$

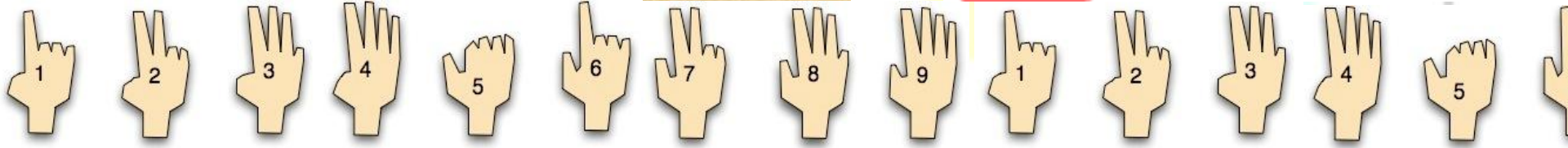
$$\begin{aligned} 2 \times 2 &= 2^2 = 4 \\ 2 \times 2 \times 2 &= 2^3 = 8 \\ 2 \times 2 \times 2 \times 2 &= 2^4 = 16 \\ 2 \times 2 \times 2 \times 2 \times 2 &= 2^5 = 32 \\ 2 \times 2 \times 2 \times 2 \times 2 \times 2 &= 2^6 = 64 \\ 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 &= 2^7 = 128 \end{aligned}$$

#### DIVISION:

$$\begin{array}{r} 14 \\ 45 \overline{) 630} \\ \underline{45} \phantom{0} \\ 180 \\ \underline{180} \\ 0 \end{array}$$

$$\begin{array}{r} 19 \\ 5 \overline{) 965} \\ \underline{5} \phantom{0} \\ 46 \phantom{0} \end{array}$$

5 goes into 46  
9 times...  
with some extra!





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### ARITHMETIC:

#### Division of Natural Numbers

- Checking division using multiplication.
- Understanding the remainder
- Estimate with and without remainder
- Word Problems of Division
- Word
- Problems combining the four basic operations
- Order of Operations (PEMDAS)
- \*\*\* *Application problems with several steps (including addition, subtraction, multiplication and division)*

### VIDEO: DIVISION SONG

[www.youtube.com/watch?v=hQhUjxEQ](http://www.youtube.com/watch?v=hQhUjxEQ)  
Pjw

### DIVISION RAP

<http://www.youtube.com/watch?v=rlewf1LEC&feature=related>

