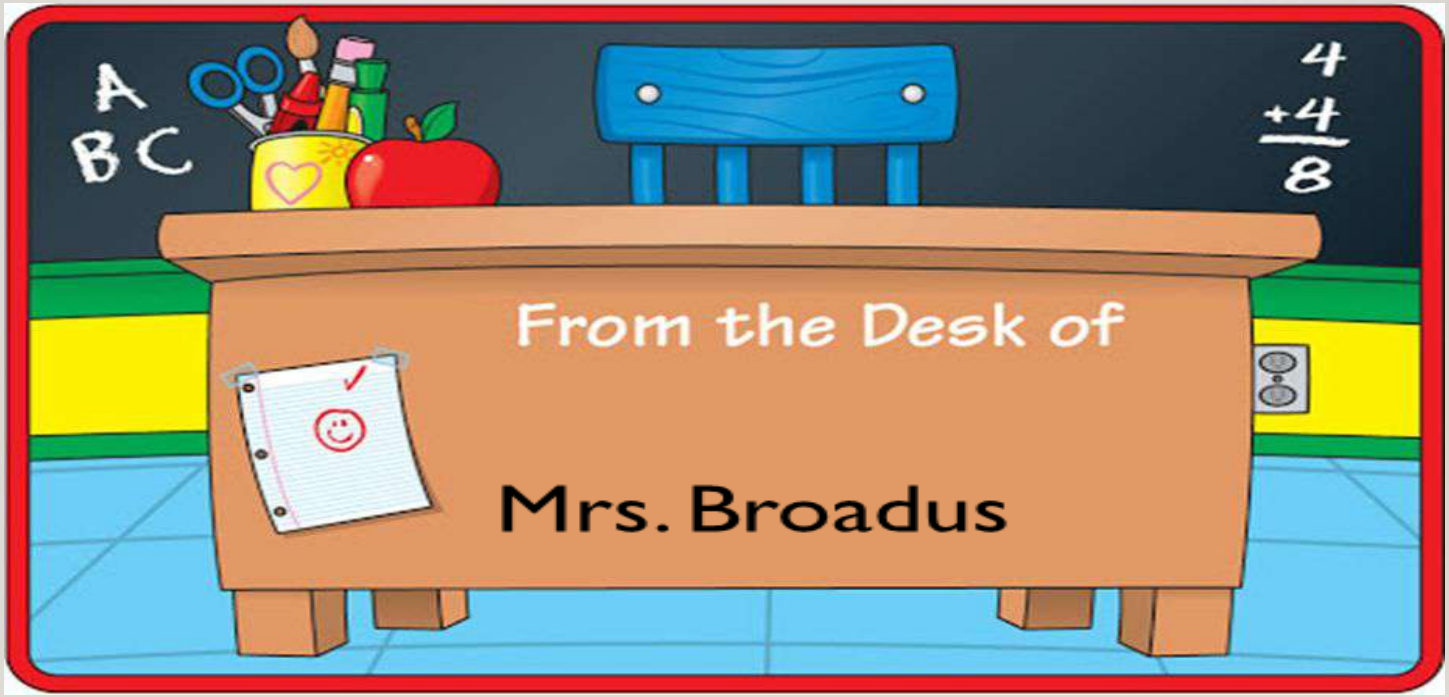
PLACE VALUE



STANDARD:

NC.4.NBT.1 Explain that in a multi-digit whole number, a digit in one place represents 10 times as much as it represents in the place to its right, up to 100,000

I CAN STATEMENT(S):

- I can look at a multi-digit number and determine that the digit to the left is 10 times greater than a given digit.
- I can also generalize from examples.

ESSENTIAL QUESTION(S):

1. How are place values related to each other?

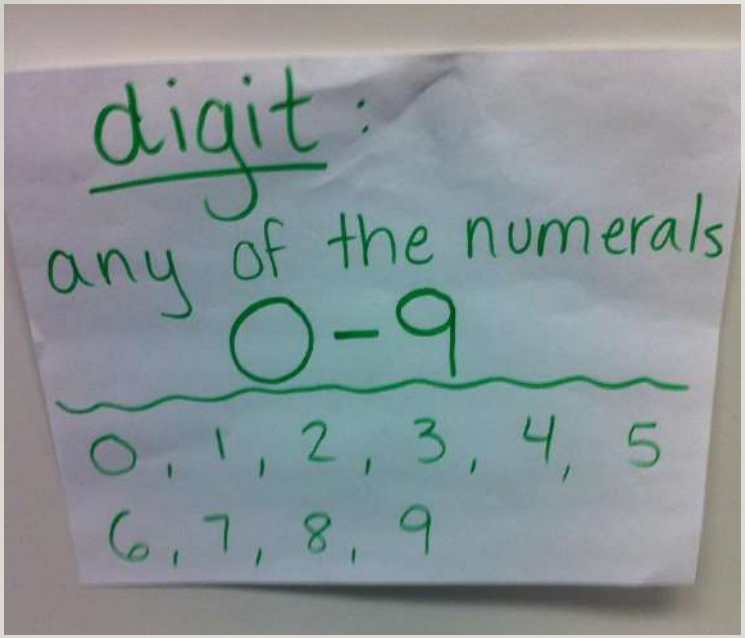
PLACE VALUE

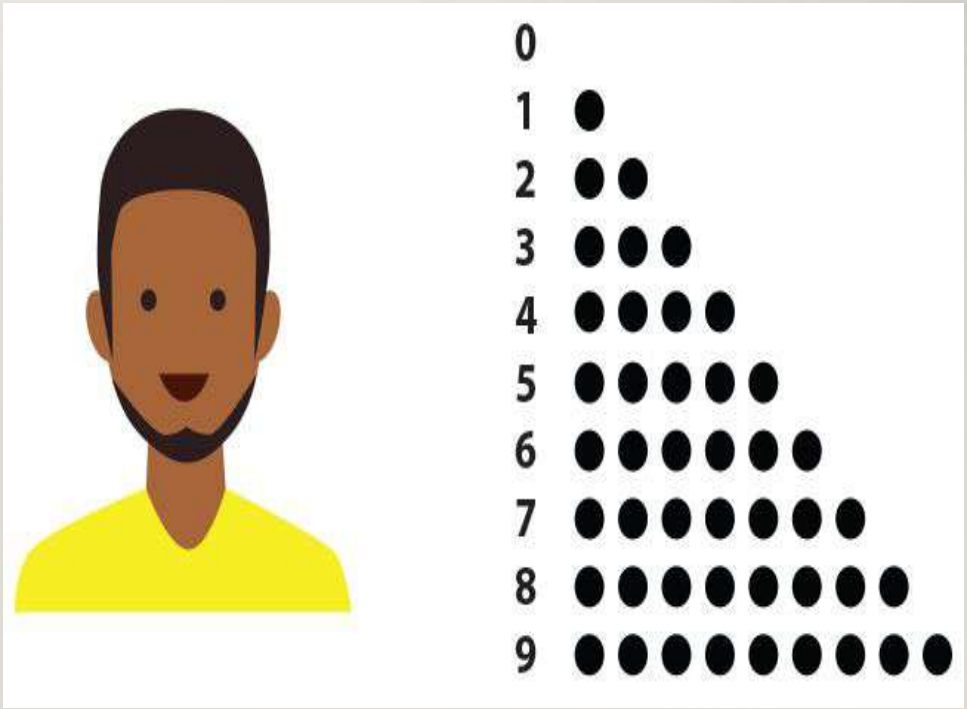
TOPIC 1 LESSON 1-2

Vocabulary

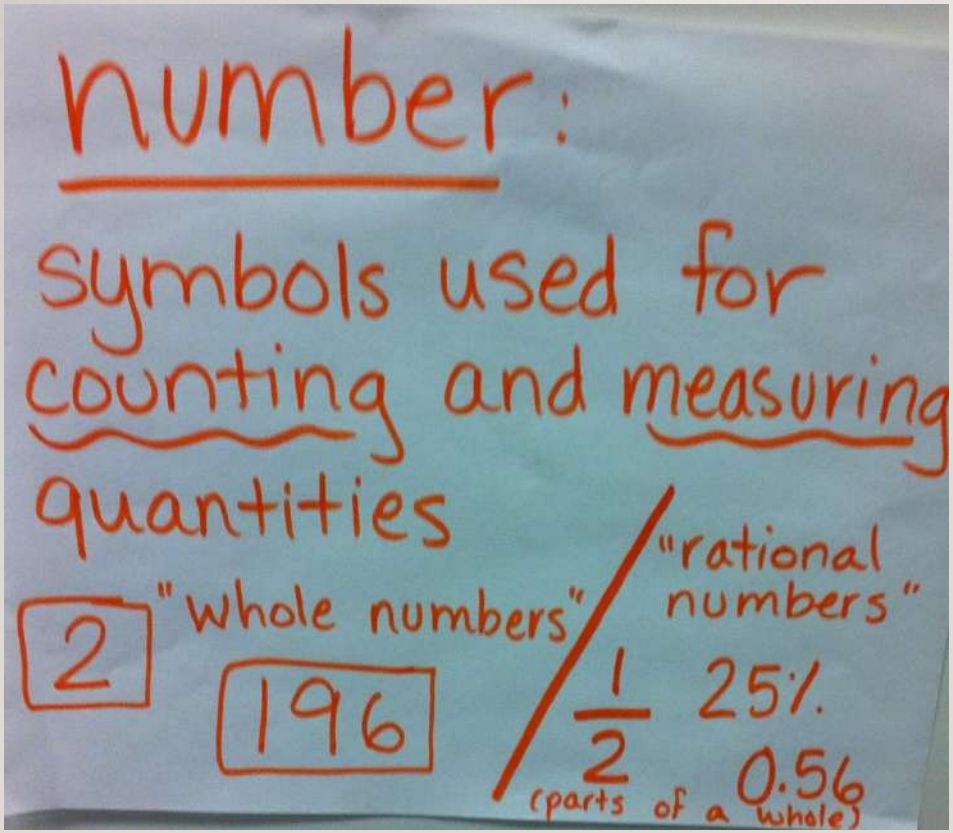
- Digits
- Whole number
- Place
- value
- Millions
- Period

VOCABULARY WORDS





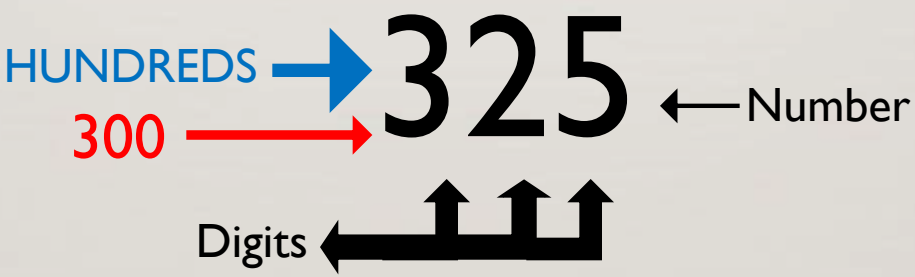
VOCABULARY WORDS



789

VOCABULARY WORDS

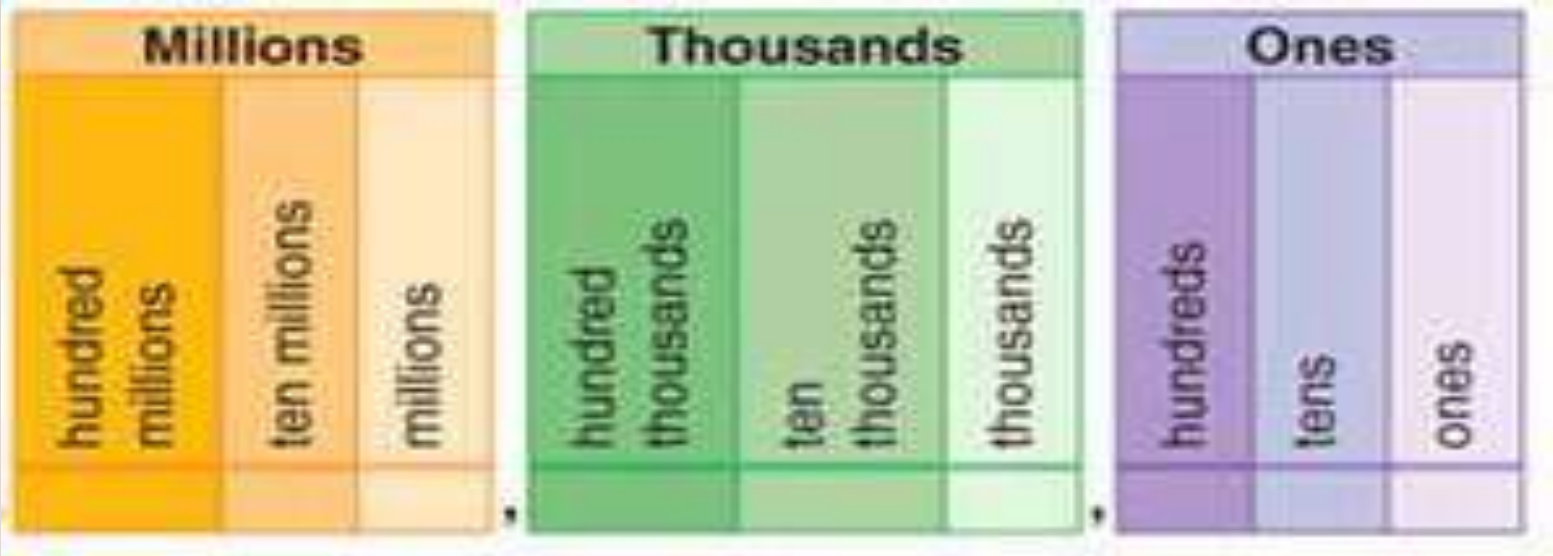
- **Place:** The location of a digit in a number.

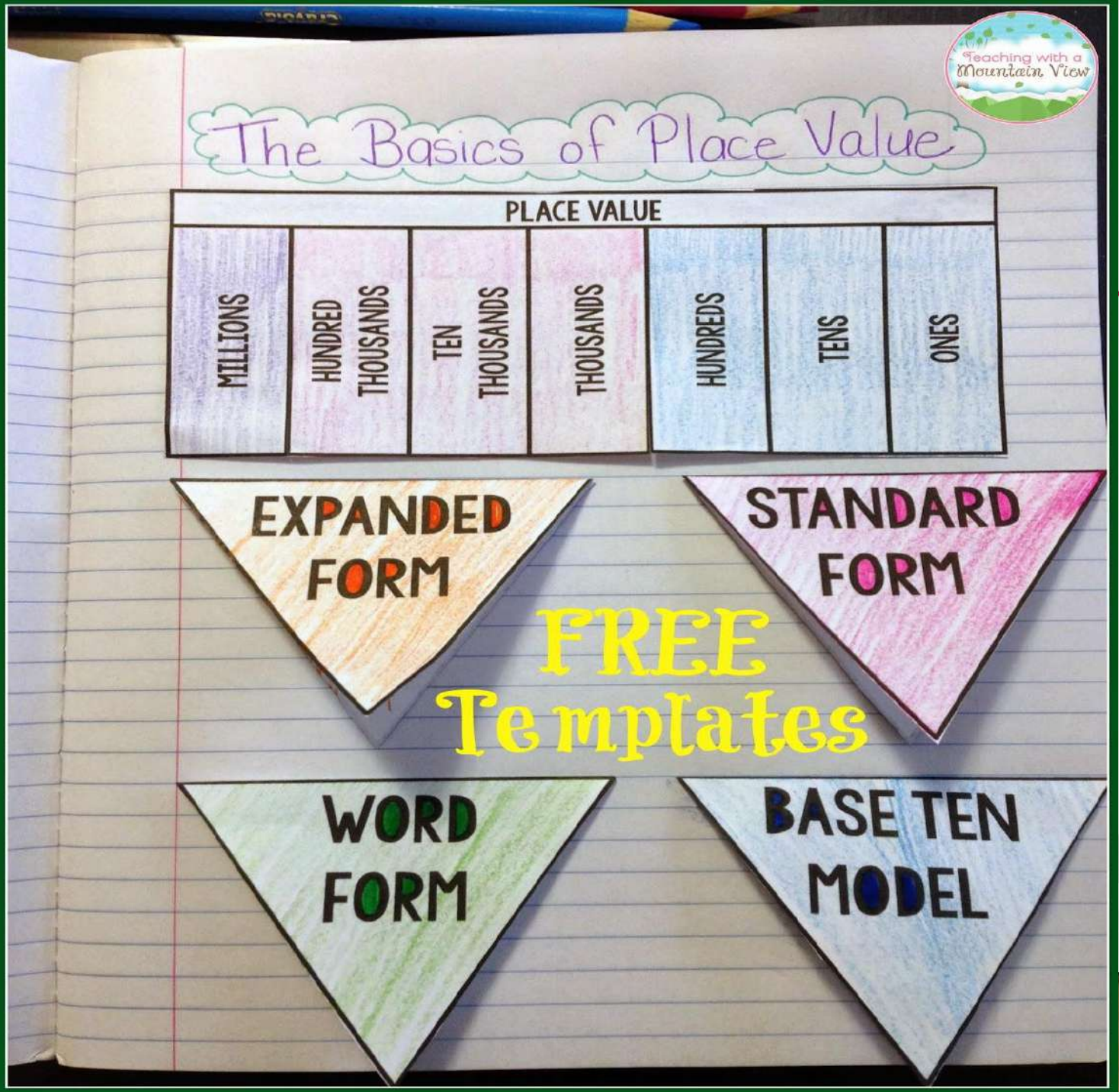


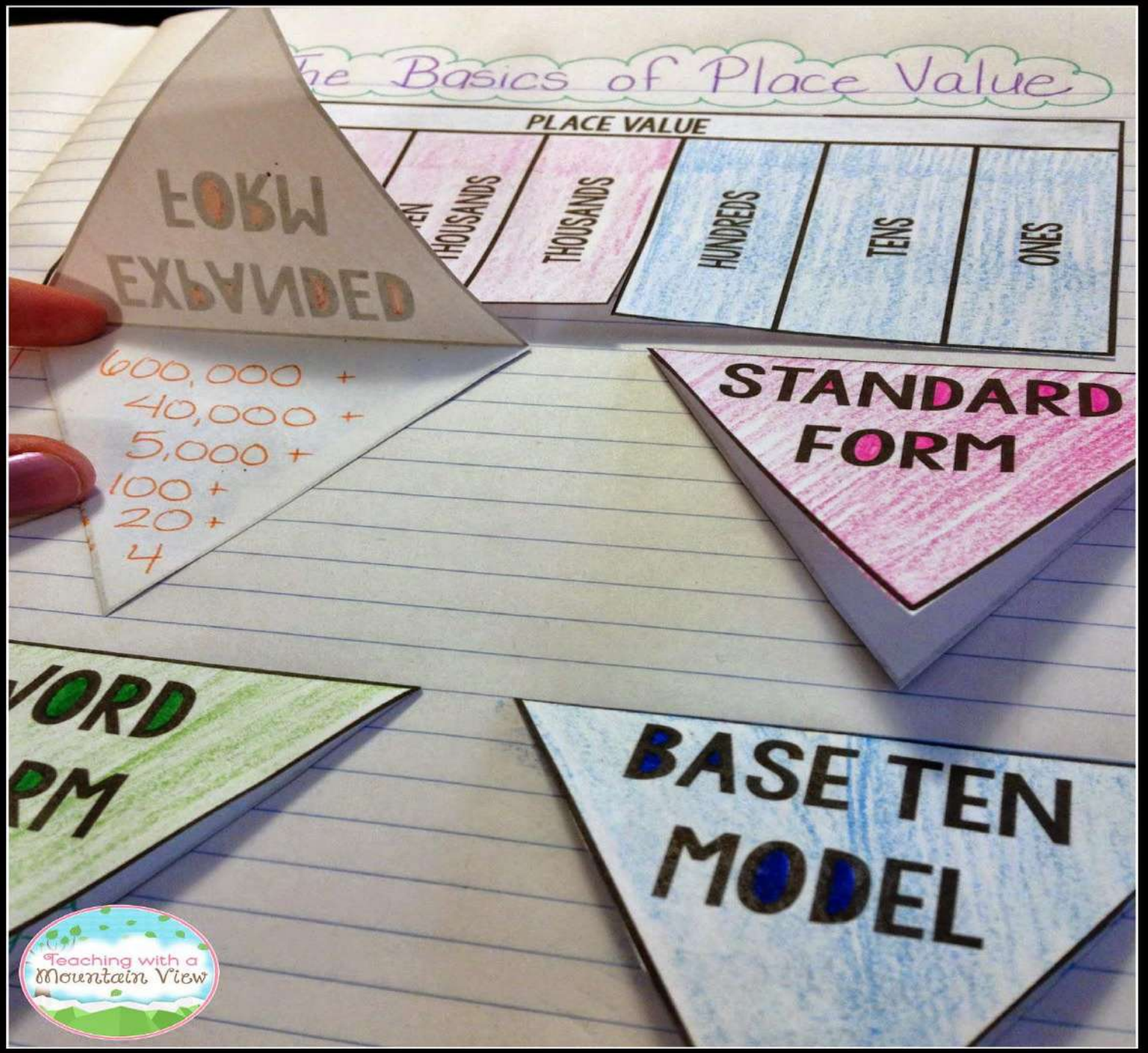
- **Value:** How much the digit is worth.

VOCABULARY WORDS

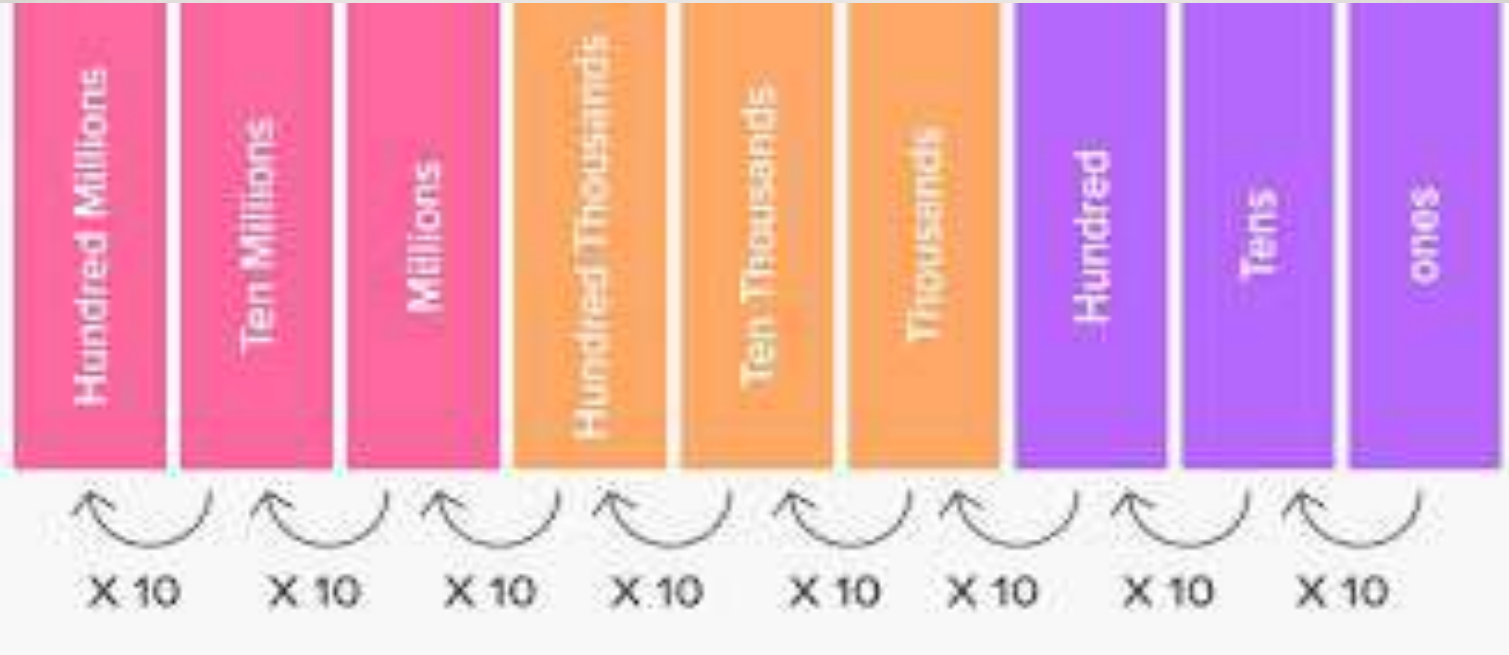
- **Period:** group of three digits, separated by a comma
- Each period is shown by a different color in the place value chart below.
- When a number is written in standard form, each group of digits separated by a comma is called a period .



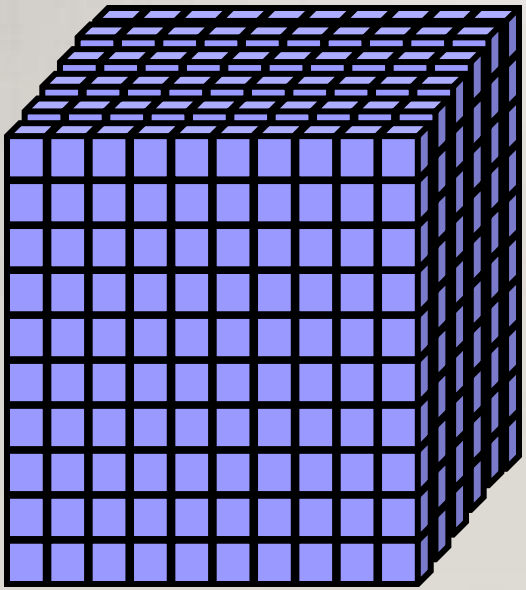

Teaching with a Mountain View
The Basics of Place Value
PLACE VALUE
MILLIONS
HUNDRED THOUSANDS
TEN THOUSANDS
THOUSANDS
HUNDREDS
TENS
ONES
EXPANDED FORM
STANDARD FORM
FREE Templates
WORD FORM
BASE TEN MODEL


The Basics of Place Value
PLACE VALUE
THOUSANDS
HUNDREDS
TENS
ONES
EXPANDED FORM
600,000 +
40,000 +
5,000 +
100 +
20 +
4
STANDARD FORM
BASE TEN MODEL
Teaching with a Mountain View

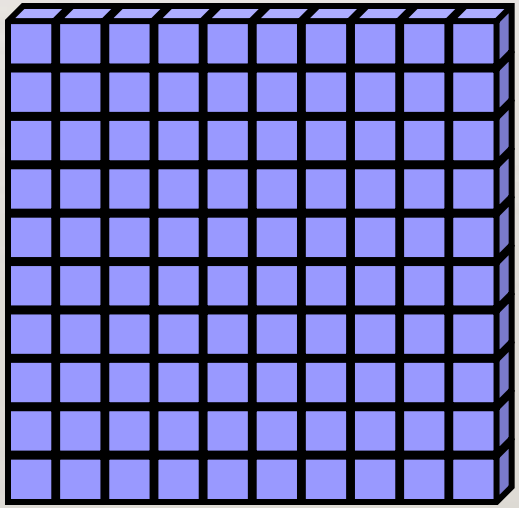
Click the chart for the Place Value Video Below:



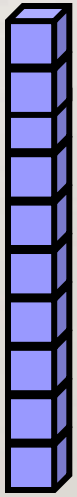
PLACE VALUE: Using Base-Ten Models



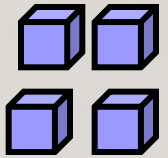
Thousands



Hundreds

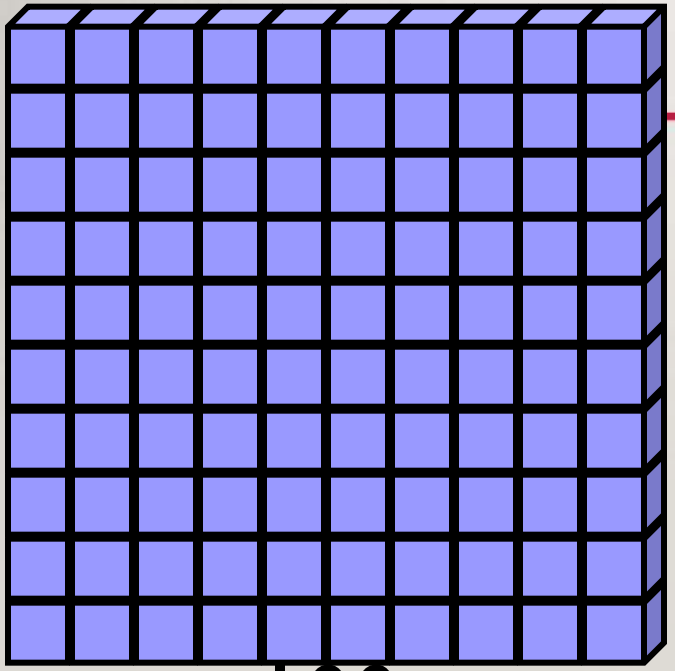
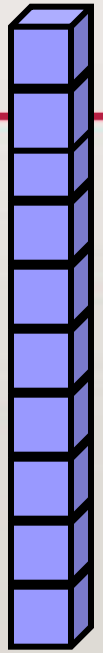
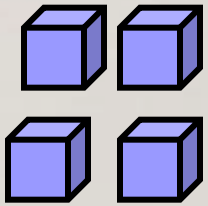


Tens



Ones

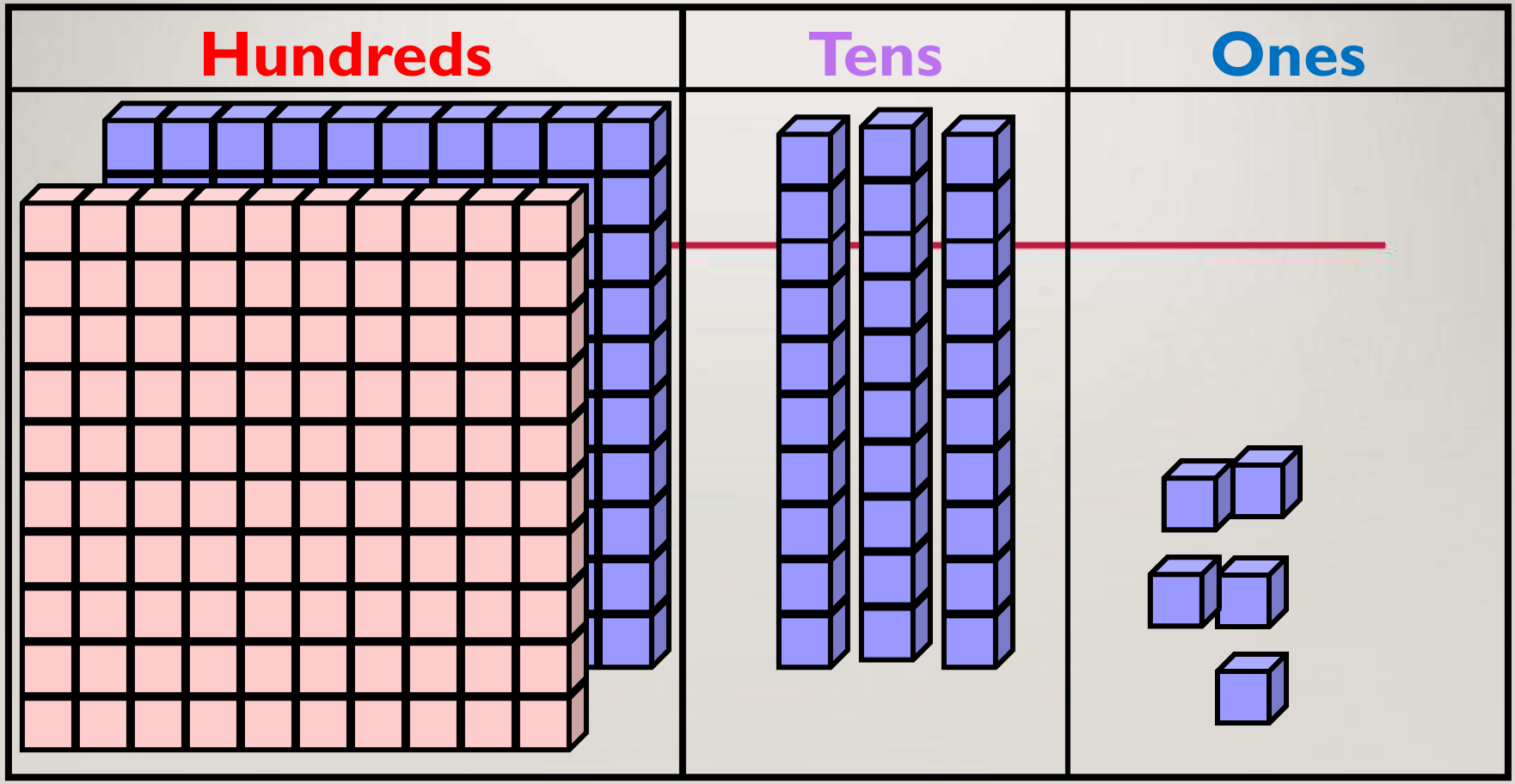
HOW MANY?

Hundreds	Tens	Ones
 100	 10	 4

100 + 10 + 4

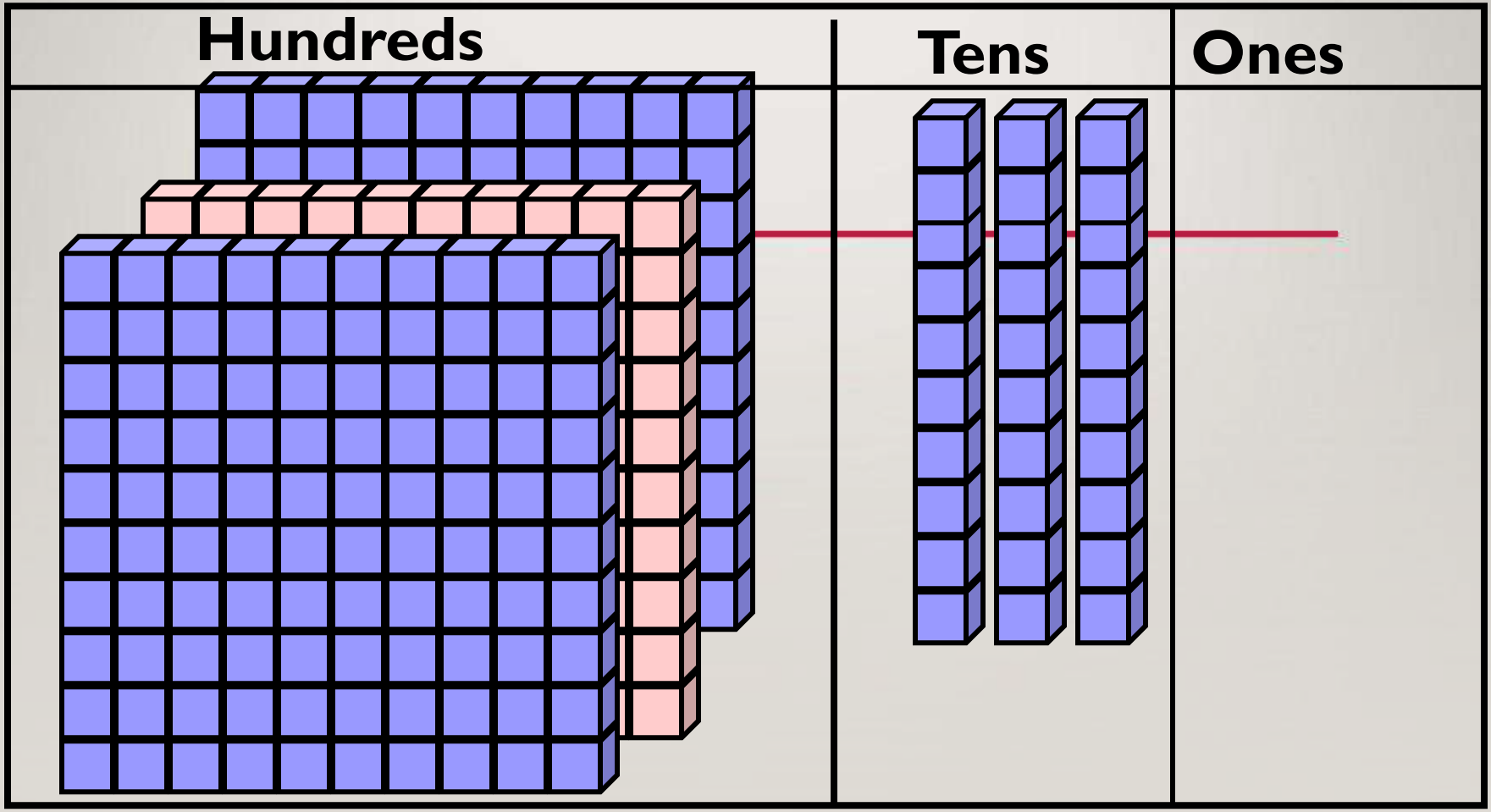
114

HOW MANY?



$200 + 30 + 5 = 235$

HOW MANY?



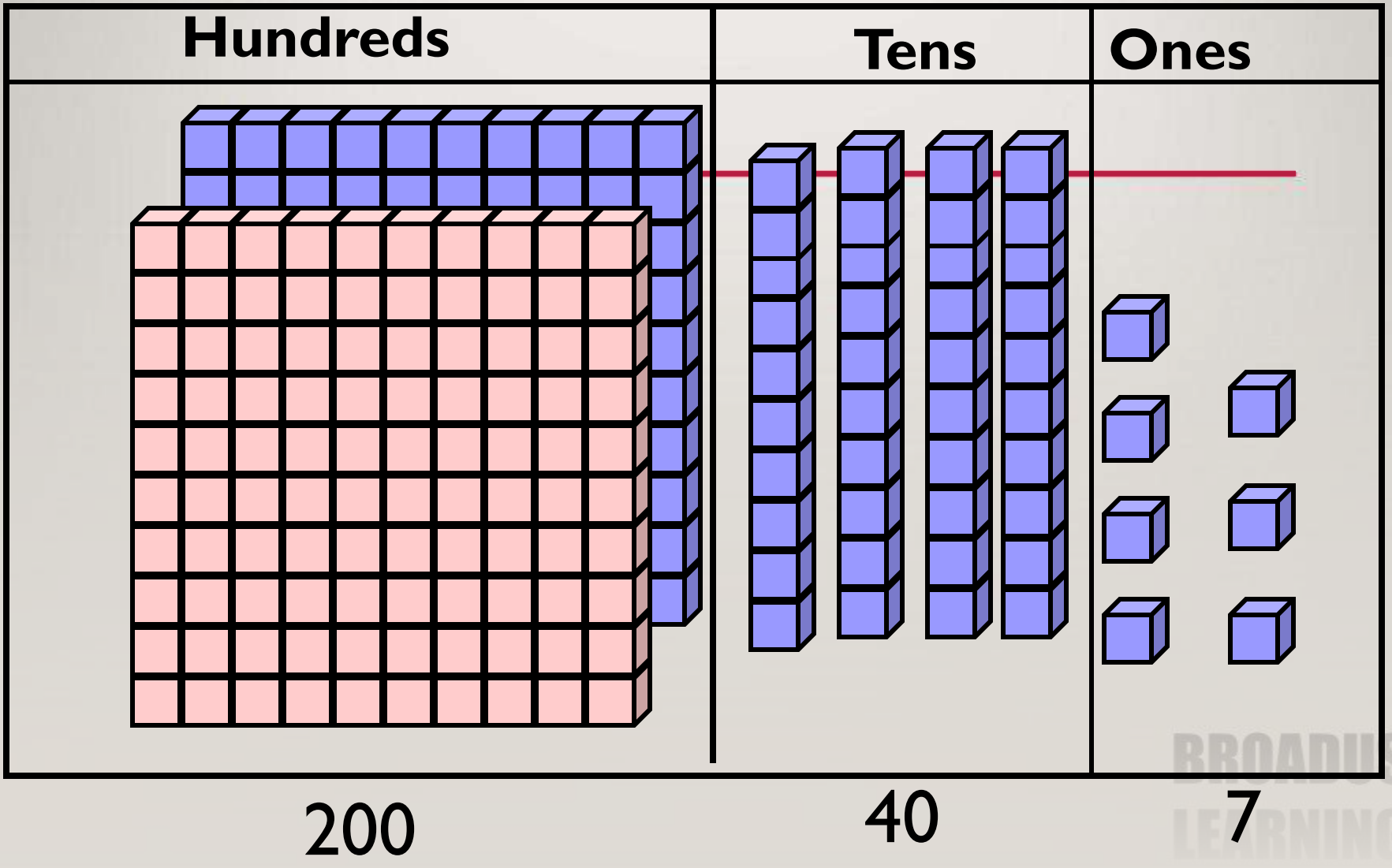
300

30

300 + 30

330

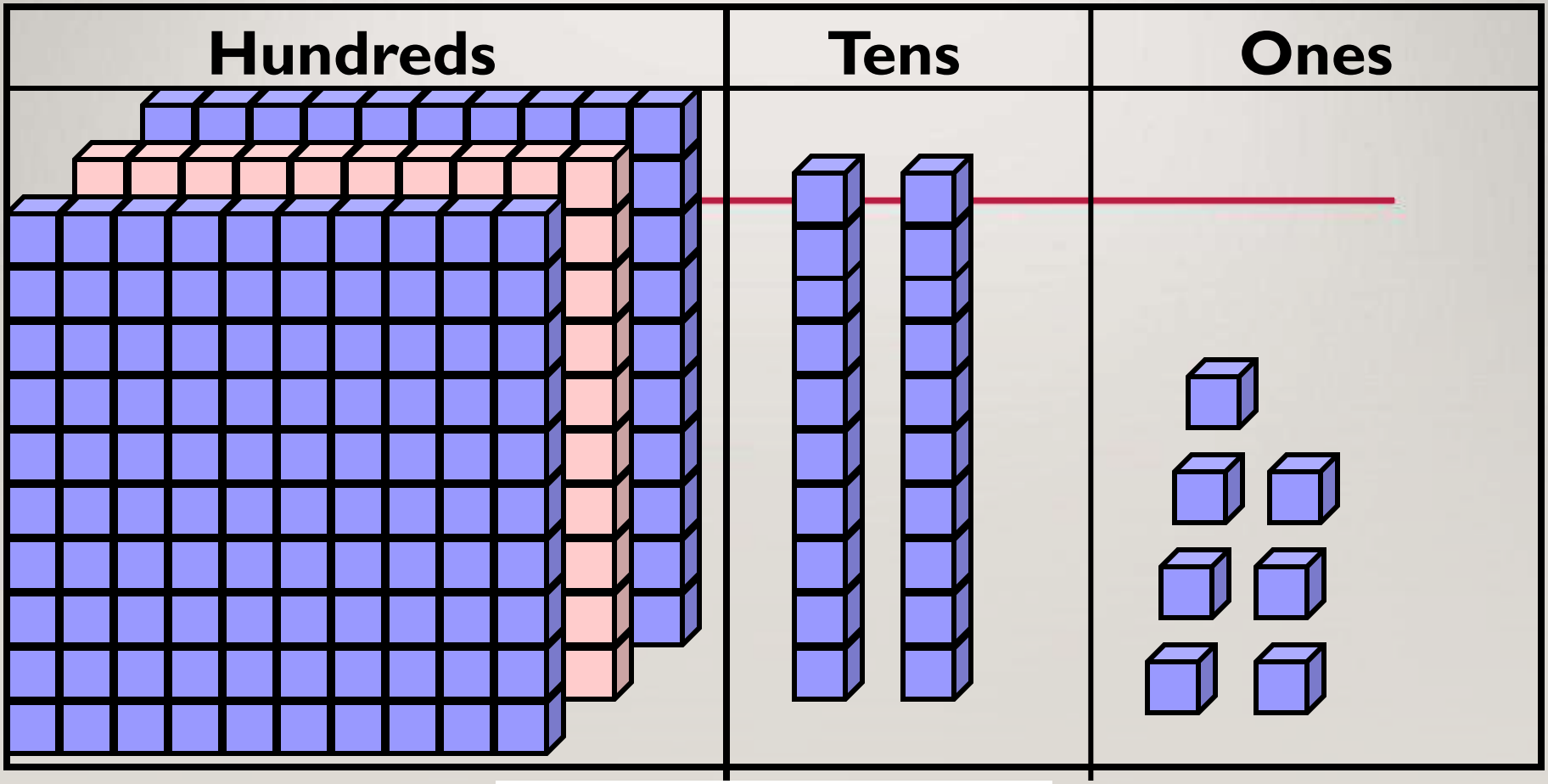
HOW MANY?



200 + 40 + 7

247

HOW MANY?

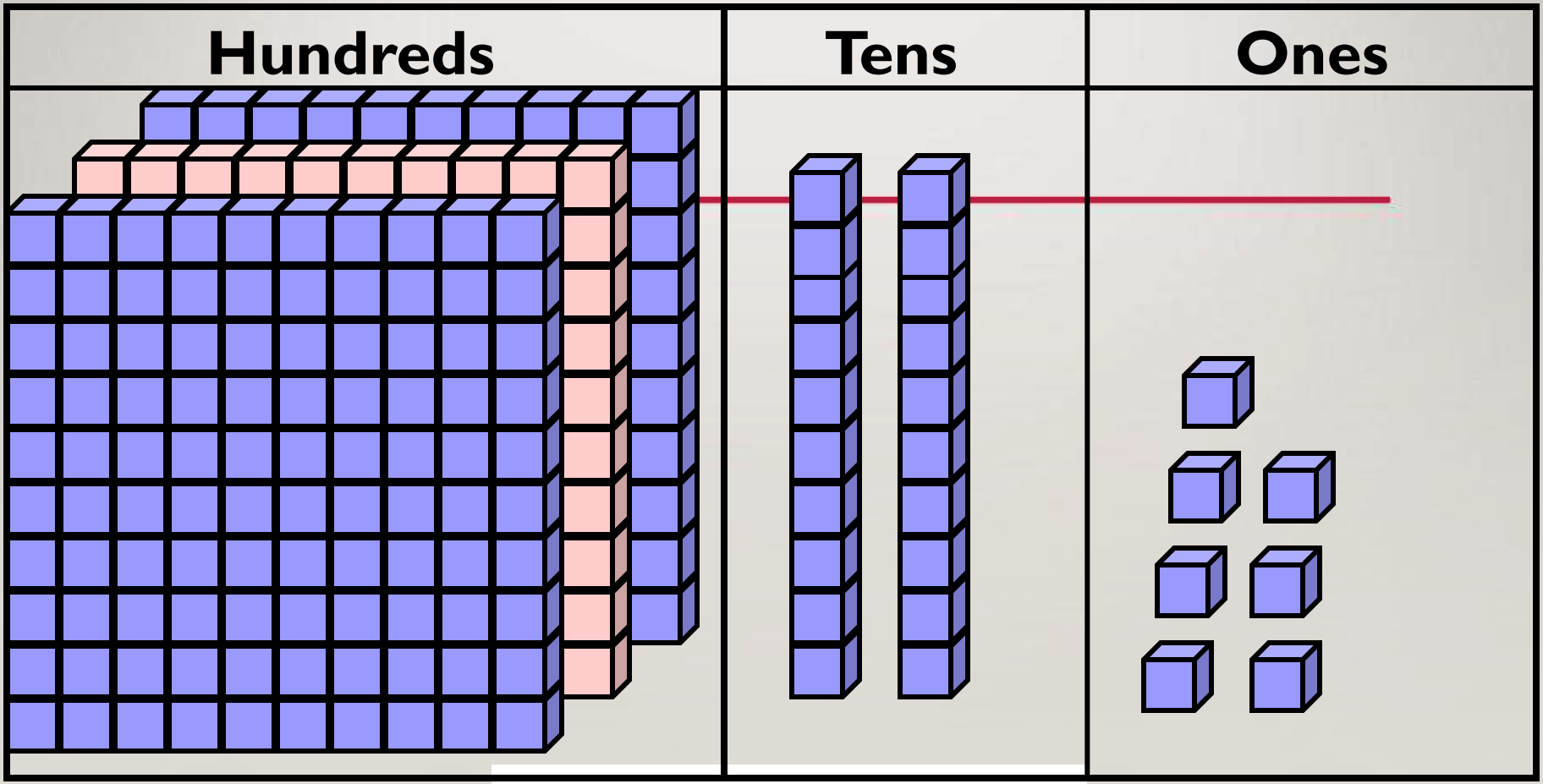


200 + 30 + 7

300 + 20 + 7

700 + 30 + 2

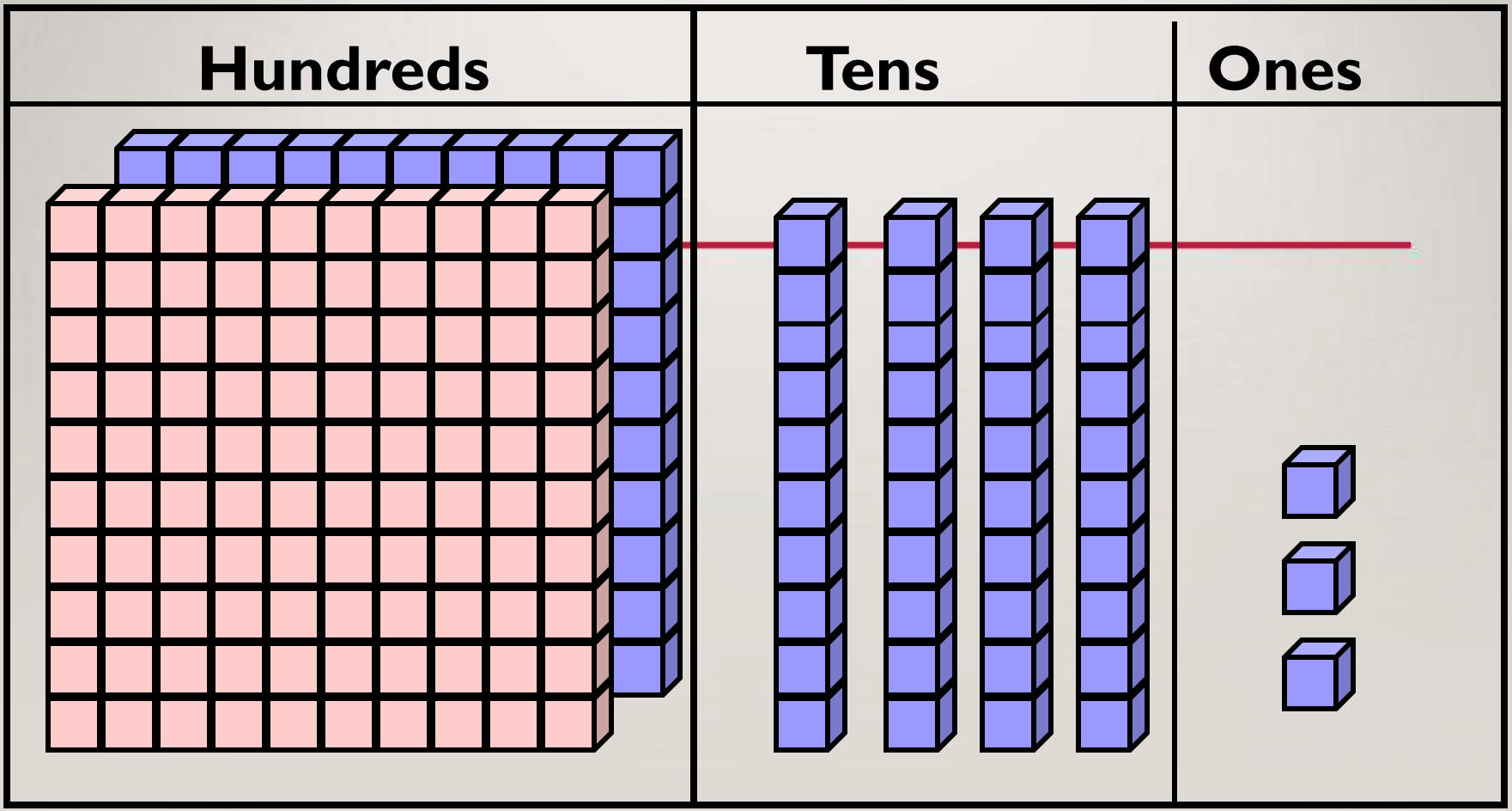
HOW MANY?



200 + 30 + 7

300 + 20 + 7

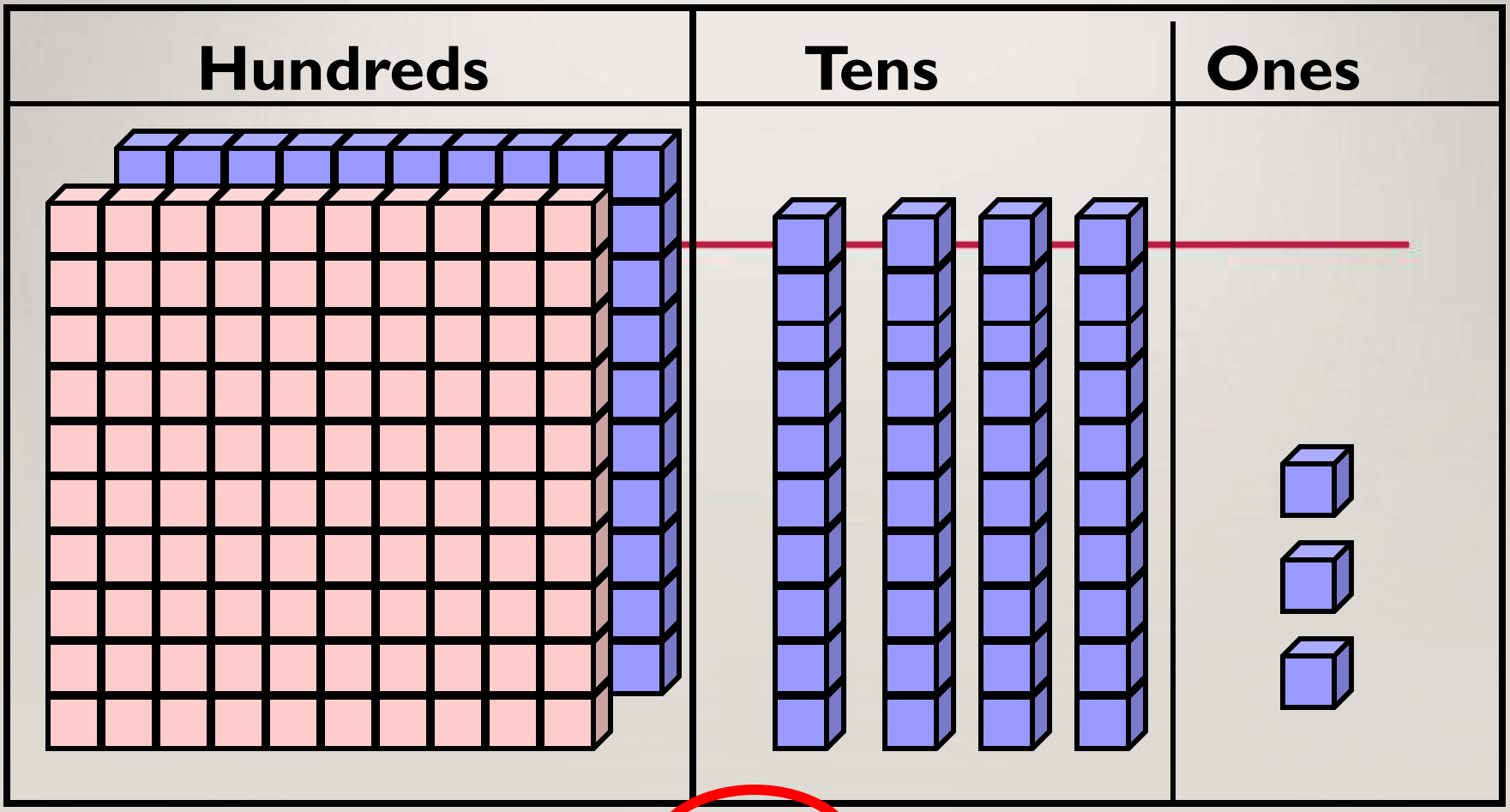
700 + 30 + 2



243

423

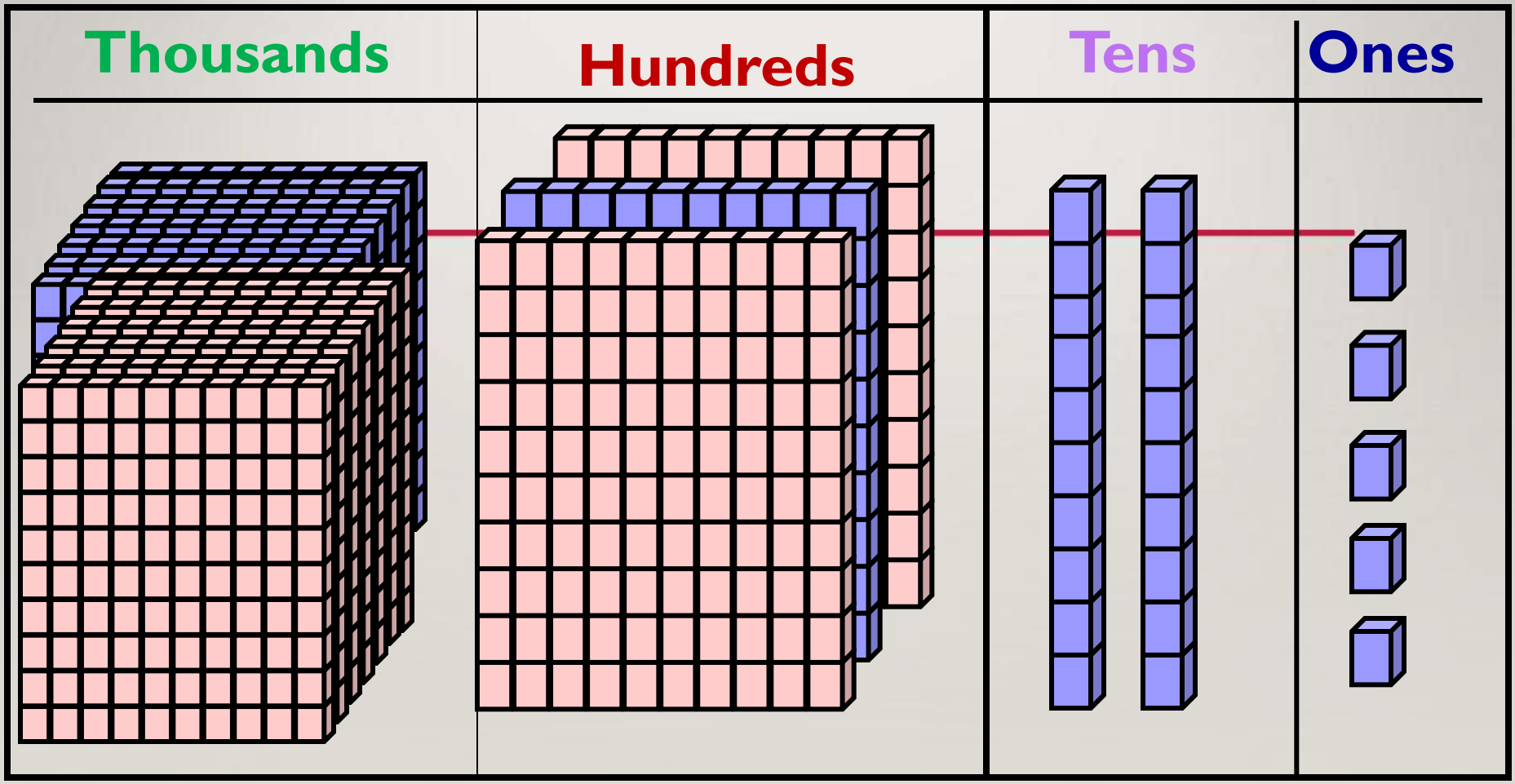
234



243

423

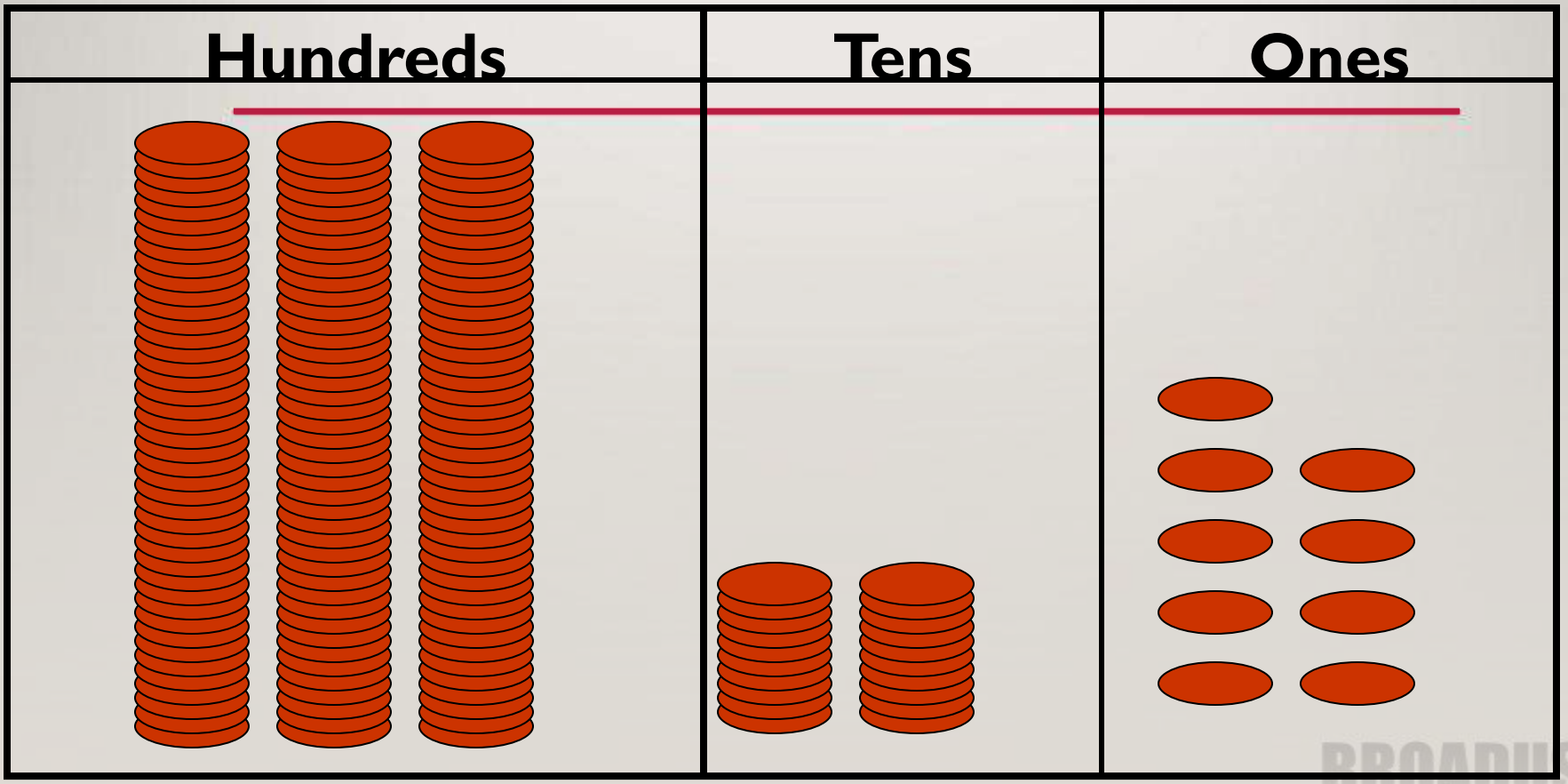
234



2000 300 20 5

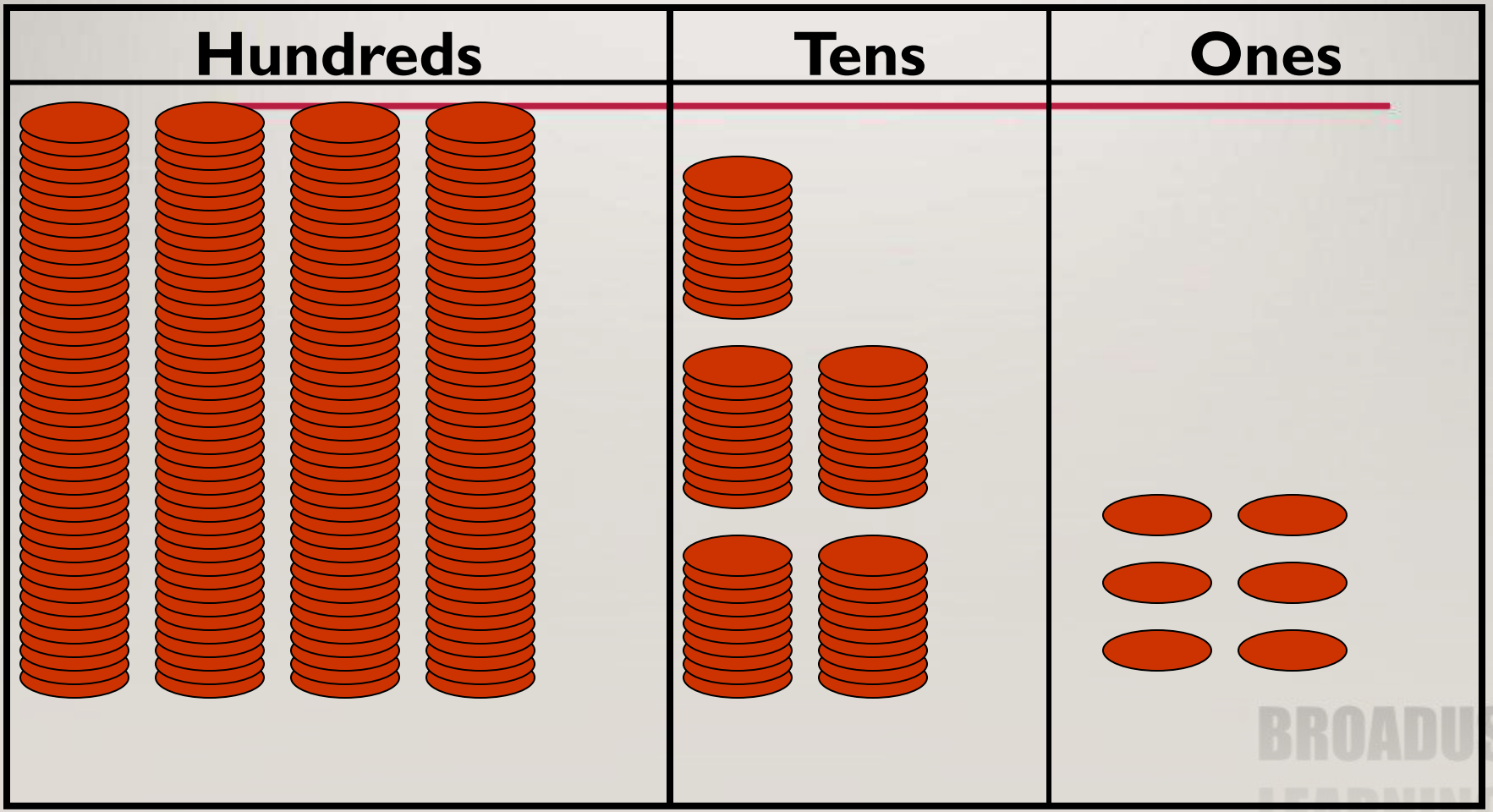
2000 + 300 + 20 + 5 = 2,325

HOW MANY PENNIES?



329

HOW MANY PENNIES?



456

WHICH NUMBER SHOWS FOUR HUNDRED NINETY-SEVEN IN STANDARD FORM?

496

597

479

497

WHICH NUMBER SHOWS THREE THOUSAND, SIX HUNDRED EIGHTY-TWO IN STANDARD FORM?

3,862

6,382

3,682

3,286

WHICH NUMBER IS THE WORD FORM FOR 612?

seven hundred twelve

six hundred twenty-one

six hundred twelve

six hundred thirteen

WHICH NUMBER IS THE WORD FORM FOR 1,423?

One thousand, four hundred thirty three

One thousand, three hundred forty three

One thousand, two hundred thirty two

One thousand, four hundred twenty-three

BROADUS LEARNINGS