

Vocabulary:

Previously Taught:

expanded form

hundreds

ones

place value

standard form

tens

thousands

equal (=)

greater than (>)

less than (<)

greatest to least

least to greatest

New to 3rd Graders:

expanded notation

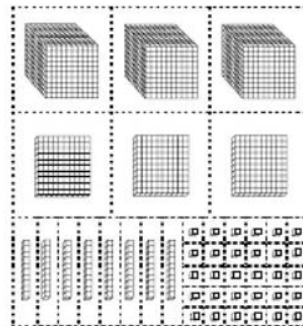
ten thousand

hundred thousand

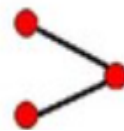
Strategies:

HTH	TT	TH	H	T	0

Place Value Chart (PVC)



Base Ten Blocks



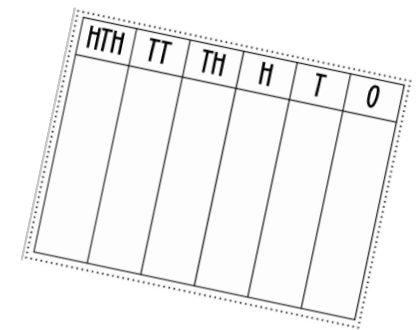
Dot Method

3rd Grade

Place

Value

Overview



Direct Instruction:

8/23 – 9/10

Concept will continue to be spiraled throughout the school year.

Expectations:

(Texas Knowledge and Skills)

3.2A Compose and decompose numbers up to 100,000 as a sum of so many ten thousands, so many thousands, so many hundreds, so many tens, and so many ones using objects, pictorial models and numbers including expanded notation as appropriate.

3.2B Describe the mathematical relationships found in the base-10 place value system through the hundred thousands place

3.2D Compare and order whole numbers up to 100,000 and represent comparisons using the symbols $>$, $<$, or $=$

Building Blocks:

(Previously Taught Skills)

Kinder:

Compose and decompose numbers up to 10 with objects and pictures

Compare sets using comparative language

Compare two numbers using comparative language

First:

Compose 10 with two or more addends

Use concrete and pictorial models to compose and decompose numbers up to 120

Use place value to compare numbers to 120 with comparative language

Represent comparisons using symbols $<$, $>$ or $=$

Order numbers to 120 using place value and open number lines

Second:

Use concrete and pictorial models to compose and decompose numbers up to 1,200

Use place value to compare and order whole numbers to 1,200 using comparative language and symbols $<$, $>$ or $=$

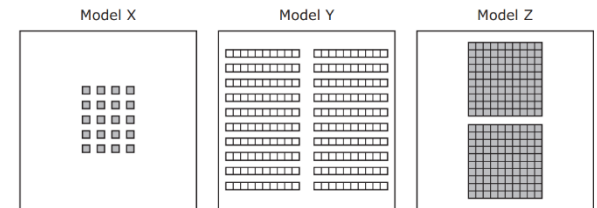
Mastery Level Understanding:

The expanded notation of a number is shown.

$$(9 \times 10,000) + (4 \times 100) + (1 \times 10)$$

What is the standard form of this number?

Which of these models represent the same number?



- F Model X and Model Y, because 20 ones is equivalent to 20 tens.
- G Model X and Model Z, because 20 ones is equivalent to 2 hundreds.
- H Model Y and Model Z, because 20 tens is equivalent to 2 hundreds.
- J None of these

The table shows the weights of four elephants.

Elephant	Weight (pounds)
R	12,345
S	13,960
T	12,509
U	11,960

Which comparison of these weights is true?

- A The weight of Elephant R $<$ the weight of Elephant T
- B The weight of Elephant U $>$ the weight of Elephant T
- C The weight of Elephant S = the weight of Elephant U
- D The weight of Elephant S $<$ the weight of Elephant T

