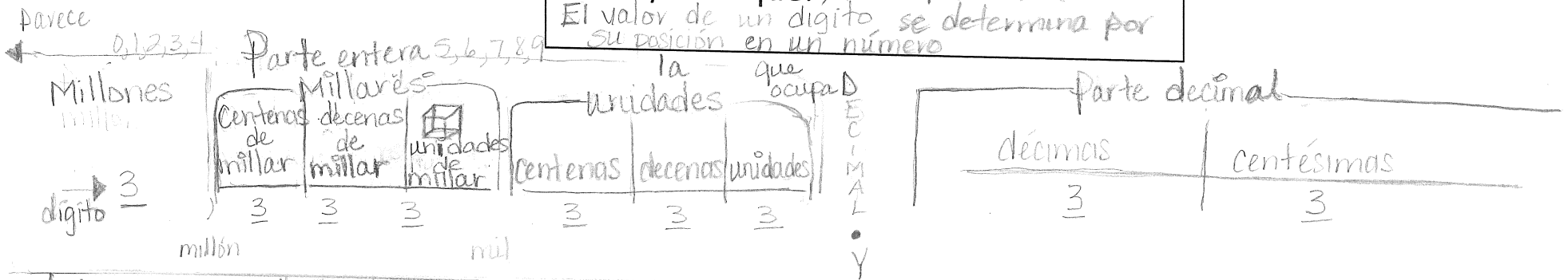


Título/ Enfoque: Valor Posicional
 El valor de un dígito se determina por su posición en un número



Números en palabras

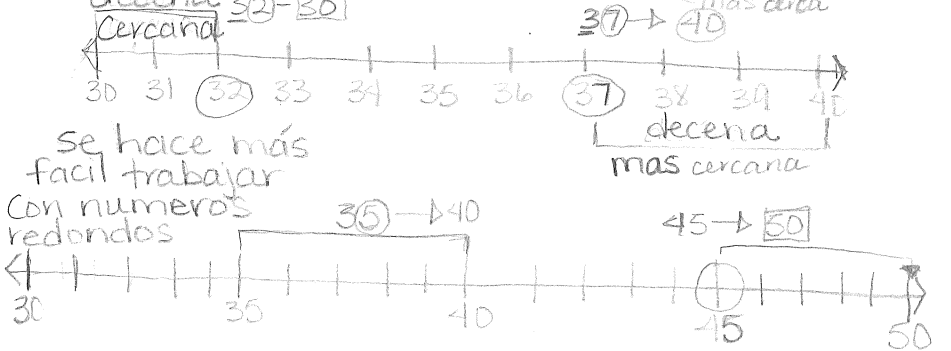
1 uno	11 once	10 diez
2 dos	12 doce	20 veinte
3 tres	13 trece	30 treinta
4 cuatro	14 catorce	40 cuarenta
5 cinco	15 quince	50 cincuenta
6 seis	16 dieciséis	60 sesenta
7 siete	17 diecisiete	70 setenta
8 ocho	18 dieciocho	80 ochenta
9 nueve	19 diecinueve	90 noventa

Redondeando

¿Por qué? Para estimar cuantos?

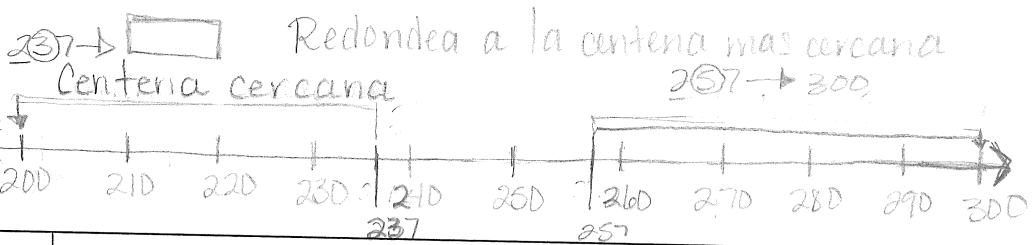
* Es más fácil y rápido trabajar con números redondeados

redondea a la decena más cercana



Números enteros

- en las unidades
- en las centenas
- en las decenas
- en las diez-centenas de millar
- en las milésimas-unidades de millar



Estándares y prácticas matemáticas

- * Vamos a usar el entendimiento del valor posicional modelando con matemáticas para leer y escribir números a los millares
- * vamos a usar el entendimiento del valor posicional para redondear números enteros a la decena o la centena más cercana observando y haciendo la estructura

La investigación - valor posicional

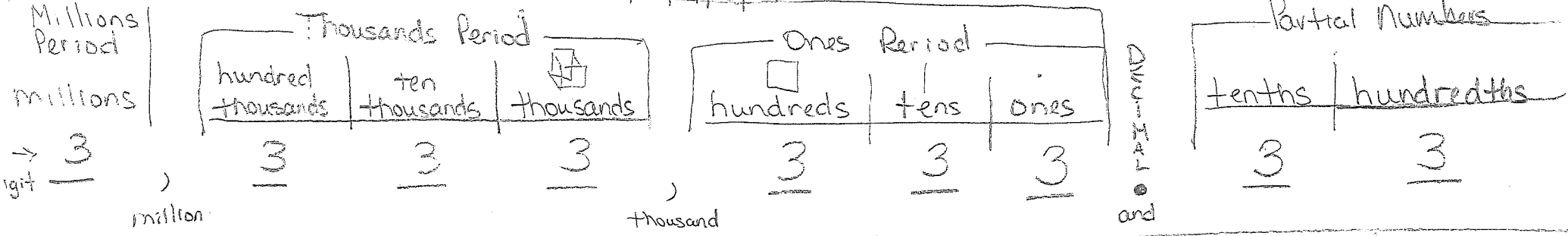
Lo que sabemos sobre _____
 Lo que queremos aprender _____

(P2)

Place value - the value of a digit is determined by where it is placed in a number

looks like $\frac{1}{2} = 50\% = 0.50$

looks like 0, 1, 2, 3, 4 Whole Numbers 5, 6, 7, 8, 9

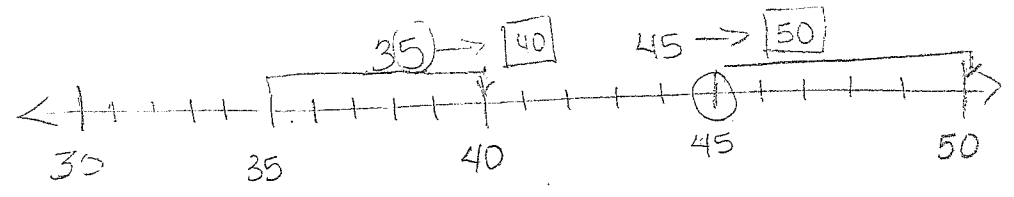
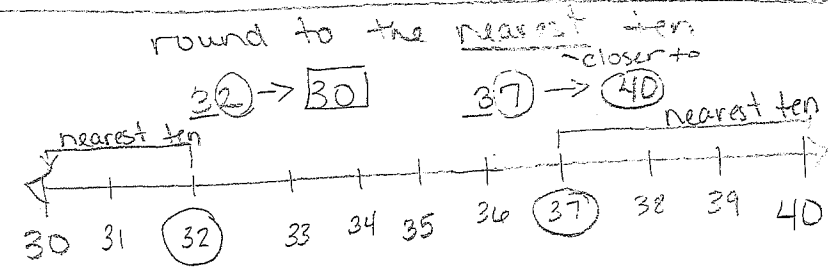
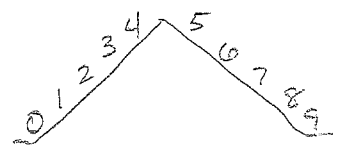


Number Words

Rounding

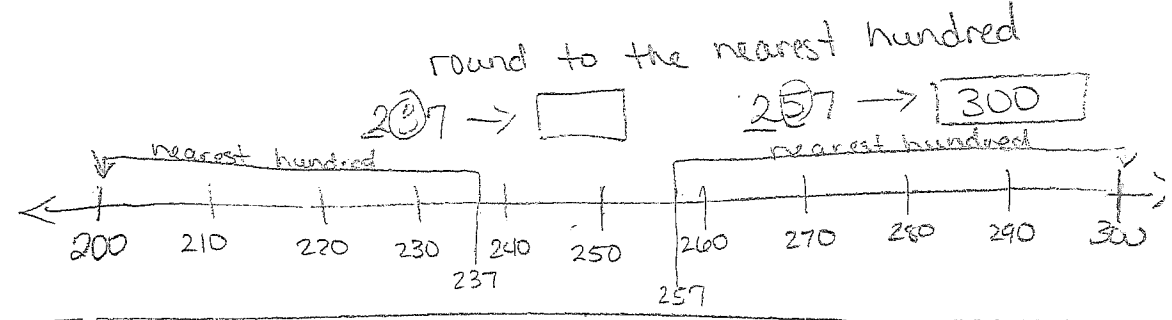
1 one	11 eleven	10 ten
2 two	12 twelve	20 twenty
3 three	13 thirteen	30 thirty
4 four	14 fourteen	40 forty
5 five	15 fifteen	50 fifty
6 six	16 sixteen	60 sixty
7 seven	17 seventeen	70 seventy
8 eight	18 eighteen	80 eighty
9 nine	19 nineteen	90 ninety

Why to estimate to find about how many or how much
 rounded numbers are faster to work with



Whole numbers

- in the ones place
- in the hundreds place
- in the tens place
- in the ten-thousands place
- in the thousands place



Standards and Mathematical Practices

We will continue to use place value understanding, and model with mathematics to read and write numbers to the thousands. We will use place value understanding to round whole numbers to the nearest 10 or 100 by looking for and making use of structure. We will attend to precision when we fluently add and subtract numbers using strategies and algorithms based on

What we know about place value ... Inquiry | What we want to learn about place value ...

UNIT PLANNING TOOL

Unit Place Value

CCSSM: 3.NBT.1 - Use place value understanding to round whole numbers to the nearest 10 or 100.

3.NBT.2 - Fluently add and subtract within 1,000 using strategies and algorithms based on place value, properties of operations, and/or relationships between addition and subtraction

Math Practices being emphasized:

- ① Model with mathematics
- ② Attend to precision
- ③ Look for and make use of structure

Essential Questions

Why is place value important?
 How are addition and subtraction related?
 How can we effectively estimate numbers?

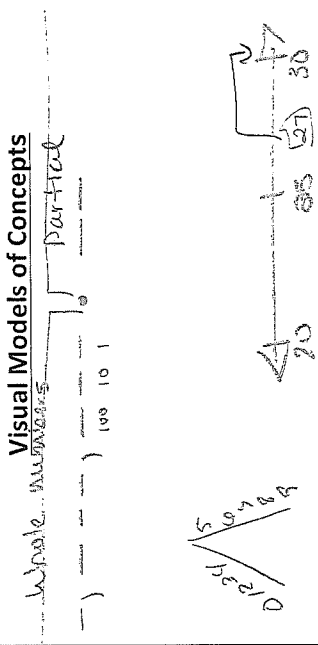
Pre and Post Assessments

Stepping stones or teacher generated

Key Concepts

The value of a digit in a number
 whole numbers / partial numbers
 rounding using a number line
 rounding why and where the
 Split is

Visual Models of Concepts



Algorithms/Diagrams

— in the — place
 — in the — place
 — — — — —

Connections (Real World Applications)

Place Value gives value to how we count, measure things, like money \$1 vs \$10
 - Estimating (rounding)

Language Functions/Structures

Identify:

The value of the ___ digit in ___ is ___.

The digit ___ is in the ___ place.

Compare:

The number ___ will round to ___; but the number ___ will round to ___ because ___.

Ones

Place value

Vocabularynearest 10
nearest 100

Tens

digit

partial numbers

Hundreds

millions

operations

Thousands

Whole numbers

round

estimate

Focus and MotivationA million Fish, more or less
by Pat McKissack

Animation

Activity

I have, who has

Sir Cumference and All the Kings Tens

Study Jams

by Cindy Neuschwander

Place Value