

DIFFERENTIATION

Place Value - Numbers to Thousandths

Fractions and Decimals 19 Place Value 25

Based on your Professional Teacher Judgment and Pre-assessment data, Levels with **1** may be included in the first lesson; Based on embedded assessment data, Levels with **2** **3** may be included in the these lessons. The anchor charts for this concept may look like these on a 'Wall that Teaches' over a few lessons.

PV 7 Standard Place Value of teen numbers

ten	ones
1	4

14 is 1 ten and 4 ones

PV 11 Standard and non-standard Place Value of teen numbers

tens	ones
1	4

14 is 1 ten and 4 ones
14 is 14 ones

PV 11 Standard and non-standard Place Value of two-digit numbers

tens	ones
2	4

24 is 2 tens and 4 ones
24 is 1 ten and 14 ones
24 is 24 ones

PV 11 Standard and non-standard Place Value of 20s numbers

tens	ones
6	3

63 is 3 tens and 3 ones
63 is 4 tens and 23 ones
63 is 2 tens and 43 ones
63 is 63 ones

PV 15 Standard and non-standard Place Value of three-digit numbers

hundreds	tens	ones
1	2	4

124 = 1 hundred + 2 tens + 4 ones
124 = 12 tens + 4 ones
124 = 11 tens + 14 ones
124 = 10 tens + 24 ones
124 = 9 tens + 34 ones
124 = 4 tens + 84 ones

PV 17 Standard and non-standard Place Value of four-digit numbers

thousands	hundreds	tens	ones
5	8	9	7

5897 = 5 thousands + 8 hundreds + 9 tens + 7 ones
5897 = 58 hundreds + 97 ones
5897 = 4 thousands + 18 hundreds + 6 tens + 37 ones
5897 = 36 hundreds + 228 tens + 7 ones

PV 18 Multiplicative Place Value of whole numbers

hundreds	tens	ones

$5 \times 10 = 50$
 $50 \div 10 = 5$

PV 19 PA 20 Standard and non-standard Place Value of five-digit numbers

10 thousands	thousands	hundreds	tens	ones
5	1	2	4	8

51248 = 5 ten-thousands + 1 thousand + 2 hundreds + 4 tens + 8 ones
51248 = 51 thousands + 2 hundreds + 4 tens + 8 ones
51248 = 512 hundreds + 4 tens + 8 ones
51248 = 5124 tens + 8 ones
51248 = 51248 ones
51248 = 50 thousands and 124 tens and 8 ones
51248 = 50 thousands and 12 hundreds and 4 tens and 8 ones
51248 = 40 thousands and 22 hundreds and 48 ones

PV 20 FD 11 Multiplicative, standard and non-standard Place Value of numbers to tenths

eds	tens	ones	tenths

12.4 = 1 ten + 2 ones + 4 tenths
12.4 = 1 ten + 2 ones + $\frac{4}{10}$
12.4 = 12 $\frac{4}{10}$
12.4 = 5 ones + 77 tenths
12.4 = 5 ones + $\frac{77}{10}$
12.4 = $\frac{124}{10}$

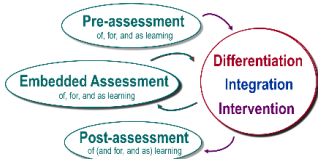
$8.5 \times 10 = 85$
 $85 \div 10 = 8.5$

PV 21 FD 12 Multiplicative, standard and non-standard Place Value of numbers to hundredths

hundreds	tens	ones	tenths	hundredths

1.24 = 1 one + 2 tenths + 4 hundredths
1.24 = 1 one + $\frac{2}{10} + \frac{4}{100}$
1.24 = 12 tenths + 4 hundredths
1.24 = 12 $\frac{4}{100}$
1.24 = 5 tenths + 74 hundredths
1.24 = 5 tenths + $\frac{74}{100}$
1.24 = $\frac{124}{100}$

Embedded assessment data may tell us we need to re-explicitly teach these Levels.



PV 24 FD 18 and PV 25 FD 19 and PV 28 FD 25 Multiplicative, standard and non-standard Place Value of numbers to thousandths and numbers of any size

ten-thousands	thousands	hundreds	tens	ones	tenths	hundredths	thousandths

$0.5 \times 100 = 50$
 $50 \div 100 = 0.5$

$400 \div 1000 = 0.4$
 $0.4 \times 1000 = 400$

$1.111 = 1 \frac{111}{1000}$

1.247 = 1 one + 2 tenths + 4 hundredths + 7 thousandths
1.247 = 1 one + $\frac{2}{10} + \frac{4}{100} + \frac{7}{1000}$
1.247 = 12 tenths + 47 thousandths
1.247 = $\frac{12}{10} + \frac{47}{1000}$
1.247 = 5 tenths + 73 hundredths + 17 thousandths
1.247 = 5 tenths + $\frac{73}{100} + \frac{17}{1000}$
1.247 = $\frac{1247}{1000}$