

Aspect 4: I Can Use Place Value



NSW Numeracy Continuum, Aspect 4: Place Value

(Source: NSW Department of Education & Communities (2010), Numeracy Continuum K – 10.

Available at URL: <http://www.numeracycontinuum.com/index.php/continuum-chart>)

TEN AS A COUNT

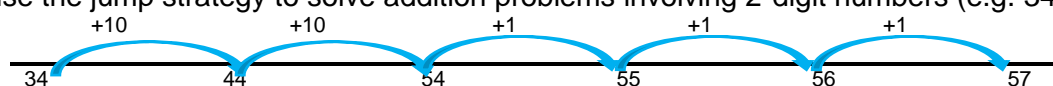
- I can count on in units of one or ten.
- I can recognise the counting by tens pattern (e.g. 10, 20, 30, 40, etc.)
- I can recognise 10 ones as 1 ten.

TEN AS A UNIT

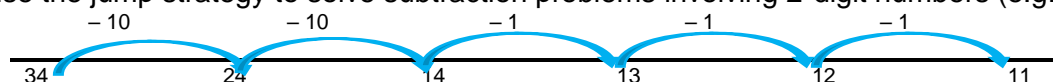
- I can count by tens and ones to find the total of two 2-digit numbers, where only one number is represented by materials.
- I can count by tens and ones to find the difference between two 2-digit numbers, where only one number is represented by materials.
- I can recognise 10 ones as 1 ten and understand that ten is a single unit.

TENS AND ONES

- I can use the jump strategy to solve addition problems involving 2-digit numbers (e.g. $34 + 23$).



- I can use the jump strategy to solve subtraction problems involving 2-digit numbers (e.g. $34 - 23$).



- I can use the split strategy to solve addition problems involving 2-digit numbers (e.g. $34 + 23$).

$$\begin{aligned} 30 + 20 &= 50 \\ 4 + 3 &= 12 \\ 50 + 12 &= 62 \end{aligned}$$

- I can use the split strategy to solve subtraction problems involving 2-digit numbers (e.g. $34 - 23$).

$$\begin{aligned} 34 - 20 &= 14 \\ 14 - 3 &= 11 \end{aligned}$$

- I can break up 2-digit numbers in a variety of ways (e.g. $76 = 60 + 16$).

HUNDREDS, TENS AND ONES

- I can break up 3-digit numbers in a variety of ways (e.g. 376 is $300 + 70 + 6$ or $350 + 26$)
- I can identify the number of tens without counting (e.g. 621 has 62 tens).
- I can add and subtract 3-digit numbers using the jump or split strategies
- I can use my knowledge of place value to flexibly add and subtract numbers (e.g. 10 more than 495 is 505; 10 less than 807 is 797)

DECIMAL PLACE VALUE

- I can identify the place value of decimal numbers (e.g. 0.85 is 8 tenths and 5 hundredths or 85 hundredths).
- I can compare the size of decimals (e.g. 0.123 is closer to 0.12 than 0.13).

SYSTEM PLACE VALUE

- I can recognise that the place value system can extend indefinitely in both directions (to the left and right of the decimal point).
- I can recognise the relationship between place value units (e.g. 10 tens are the same as 1 hundred and 10 hundredths are the same as 1 tenth, etc.)