

INTEGRATION

Counting forwards by 1s is adding 1 each time on a number line (AS 1)

Counting backwards by 1s is subtracting 1 each time on number line (AS 2)

Add subtract single-digit numbers using counters (AS 3)


Add subtract single-digit numbers counting on a number line (AS 4)


Add single-digit numbers explaining commutativity (AS 5 PA 4)


LINKS		ADDITION AND SUBTRACTION	LINKS	WITH RELATED CONCEPTS	
YEAR 1	1	Counting forwards by 1s is adding 1 each time, recording on a number line.	5	Addition and Subtraction Concept Sequence Add single-digit numbers explaining commutativity. (Also Patterns and Algebra 4)	
	2	Counting backwards by 1s is subtracting 1 each time, recording on number line.			
	3	.1 Add single-digit numbers using counters. .2 Subtract single-digit numbers using counters, recording counters.			
	4	.1 Add single-digit numbers counting on a number line. .2. Subtract single-digit numbers counting on a number line, counting back by 1s from one number, recording on a number line.			
	Investigate Friends of 10, Place Value of Teen Numbers and Partitioning (PLACE VALUE 6, 7, 8), then apply below.				
	6	Add single-digit numbers bridging 10 using non-count by ones strategies involving place value.	T2		
	7	Subtract a single-digit from a teen number bridging 10 using non-count by ones strategies involving place value.			
	Investigate Friends of 20 and any decade, and Place Value of Two-digit Numbers (PLACE VALUE 9, 10, 11), then apply below.				
8	.1 Add single-digit and teen numbers bridging 20 using place value. .2 Subtract single-digit from 20 using place value, bridging 20 using place value.				


Explicitly Teach Differentiated Levels of this concept: Counting forwards by 1s is adding 1 each time on a number line (AS 1)
Counting backwards by 1s is subtracting 1 each time on number line (AS 2)
Add subtract single-digit numbers using counters (AS 3) Add subtract single-digit numbers counting on a number line (AS 4)
Add single-digit numbers explaining commutativity (AS 5 PA 4).



Children Investigate the Level that is just beyond their current understanding.


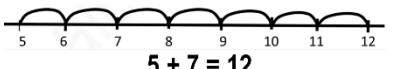
$7 + 5 = 12$


$7 - 5 =$


$7 + 5 =$


$12 - 5 =$



 $7 + 5 = 12$

 $5 + 7 = 12$


 $7 + 5 = 12$

 $5 + 7 = 12$

In Term 1 of Year 1, children are beginning to investigate Addition and Subtraction concepts formally. At the same time, they are beginning to investigate Place Value concepts formally. Initially, Addition and Subtraction concepts and Place Value concepts are investigated separately. Place Value and Addition and Subtraction are related concepts and will ultimately be investigated as an Integration. Once a child begins to use Place Value concepts to Add and Subtract, they will investigate these related concepts simultaneously as Integration.