

Progression of addition and subtraction

Operation	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6
Addition	To count forwards by rote	<p>To find one more than a number to 5, then 10.</p> <p>To compare two amounts of objects and be able to say which has more.</p>	To relate addition to combining two sets of objects.	<p>To add by counting on</p> <p>To use + and = signs to record mental calculations.</p>	<p>To know all number bonds by heart to 10, and use them in simple addition sums to 10.</p> <p>To know that addition can be done in any order and use this to complete mental calculations quicker.</p>	<p>To partition into hundred, tens and units to help to complete addition sums quickly, not crossing the tens barrier until secure with the method.</p> <p>Know by heart all number bonds to 20 and use them in simple addition sums to 20.</p> <p>Use their knowledge of number bonds to 10 in larger addition sums.</p>
Subtraction	<p>To count backwards by rote</p> <p>Relate subtraction to take away in number rhymes.</p>	<p>To find one less than a number to 5, then 10.</p> <p>To compare two amounts of objects and be able to say which has less.</p> <p>To relate subtraction to taking away practically, using objects.</p>	To begin to use pictorial representations to help to take away, coming away from physical objects.	<p>To subtract by counting back</p> <p>To begin to use – and = signs to record calculations.</p>	<p>To know subtraction facts to 10.</p> <p>To use a number line to complete subtraction, using number bonds to 10 to help.</p> <p>To know that subtraction is the inverse of addition.</p> <p>To complete subtraction by finding the difference.</p>	<p>To partition into hundred, tens and units to help to complete subtraction sums quickly, using a blank number line to help.</p> <p>To know subtraction facts to 20 and use them to work out subtraction sums quickly.</p>