Addition and Subtraction in Year 2

Subtract Children can represent num two-digit straws. In the example below numbers 6 bundles of ten and 5 straw from two-digit children will need to unbund numbers e.g. 65-28=	Subtract one-digit starting number with countr numbers many are left. At this stage, from two-digit numbers e.g. 74-6=	Adding two 2-digit nu place value resources to rep numbers to 100. e.g. seeing how many straws the there are ten straws.	Adding 1- digit and 2- digit numbers to 100. e.g. 38+5 Objective When adding single digits to Straws the top row of straw below, the top row of straw bottom row shows the 5 str straws.
Children can represent numbers using place value resources e.g. bundles of straws. In the example below, the starting number (65) has been represented by 6 bundles of ten and 5 straws. When subtracting, children first need to subtract the ones (8). If there are not enough straws (there are only 5 straws available), children will need to unbundle a group of ten straws before subtracting. They will then subtract the tens. 65-28=	When subtracting ones from 2-digit numbers, children can represent the starting number with counters and then physically take them away to see how many are left. At this stage, children should practise counting backwards past ten to support them in the transition to calculating mentally. 14-6= O O O O O O O O O O O O O O O O O O	When adding two 2-digit numbers, children could use straws, coins or other place value resources to represent each number. In the example below, the top row of straws shows 38 (3 bundles of ten and 8 straws) and the bottom row shows the 23 straws (2 bundles of ten and 3 straws) that are being added. When seeing how many straws there are altogether, children need to make a bundle if there are ten straws.	Using concrete resources When adding single digits to a two-digit number, children could use straws, coins or other place value resources to represent each number. In the example below, the top row of straws shows 38 (3 bundles of ten and 8 straws) and the bottom row shows the 5 straws that are being added. When seeing how many straws there are altogether, children need to make a bundle if there are ten straws.
Children can draw a blank number line to help them. In the example 65-28, they start at 65 and count back 8 times (to get to 57) then they count back in tens 2 times to get to 37 so that they have subtracted 28 altogether. 65-28= -10 -10 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	Children can use a number track to count backwards from the starting number. In the example 14-6, they can start at 14 and jump back 6 times. The answer being the number they have landed on. To progress further, children can draw a blank number line, draw 6 jumps backwards and count backwards from the starting number to calculate the answer. 1 2 3 4 5 6 7 9 9 9 10 11 2 13 9 15 15 17 19 19 20	Children can should progress to represent numbers with drawings. In the example below, the top row shows 38 (3 rods representing the tens and 8 cubes representing ones) and the bottom row shows the 23 (2 rods and 3 cubes) that are being added. When counting the total, children need to bundle together (by putting a ring around) 10 cubes to make 1 rod.	When adding single digits to a two-digit number, children should be encouraged to count on from the bigger number. They can use a number line or hundred square or draw their own number line to support them. 38+5= 37 38 39 40 41 42 43 44
Progressing further, children can use a blank number line to find the difference between numbers. This can be done by starting at the smaller number and counting on to the larger number. They then add up the parts they have counted on to find the difference between the two numbers. 65-28= + 2 + 30 + 5 28 30 60 65	Children can jump to the nearest ten and then subtract the rest of the number. In the example below (14-6=) children can subtract 4 away from 14 to get to 10, leaving 2 more to subtract. 14-6=8 -2 -4 -4 -2 -4 -4 -5 -8 -4 -5 -8 -4	Children can also count on to find the total. Encourage them to jump to multiples of ten to become more efficient. 38+23= +2 +21 38 40 61	Using mental methods In the example 38+5, children can count on by starting at the bigger number (38) and using their fingers to count on 5 times. Progressing further, children can jump to the nearest ten and then jumping to the total. 38+5= +2 +3 38 40 43

Multiplication and Division in Year 2