## West Dean CE Primary School <br> Calculation Guide - Addition



| Starting at the number with the greater value and counting on | Start with the number with the greatest value on the bead string and then count on to the other number, 1 by 1 to find the answer. <br> NB: when counting the total, children must be taught to recognise the tens on the bead string, and then add the ones. So the answer here is $10+2+5=17$ | $12+5=17$ <br> Start at the number with the greatest value on the number line and count on in ones or in one jump to find the answer. | $\begin{aligned} & 12+5=17 \\ & 5+12=17 \end{aligned}$ <br> Place the number with the greatest value in your head \& count on the number with the least value to find your answer. |
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| Regrouping to make 10. | 2 cesces- 0030 <br> cccese303s0 $6+5=11$ <br> Start with the number with the greatest value and use the other number to make 10. Ten boards help with the visual concept here. | Use pictures or a number line. Regroup or partition the number with the least value to make 10 . $6+5=11$ | $6+5=11$ <br> If I am at six, how many more do I need to make 10. How many more do I add on now? $\begin{gathered} 6+5=11 \\ 4+1 \end{gathered}$ |


| Adding three single digits | $4+7+6=17$ <br> Put $4 \& 6$ together to make 10. Add on 7. <br> Following on from making 10, make 10 with 2 of the digits (if possible) then add on the third digit. $\begin{aligned} & 5+4+5= \\ & 4+5+5+ \\ & 4+10=14 \end{aligned}$ | Add together three groups of objects. Draw a picture to recombine the groups to make 10. |
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| Partitioning and numberlines |  |  |  | " |  |  |  |  |  |
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| Find the difference by finding the missing number | Compare amounts and objects to find the difference. $11+\ldots=12$ <br> Use cubes to build towers or make bars to find the difference $3+\ldots=5$ <br> Use basic bar models with items to find the difference | Count on to find the difference. <br> Draw bars to find the difference between 2 numbers. <br> Comparison Bar Models <br> Lisa is 13 years old. Her sister is 22 years old Find the difference in age between them. | Hannah has 23 <br> sandwiches, Helen has 15 <br> sandwiches. Find the <br> difference between the number of sandwiches. $15+\ldots=23$ <br> This is very closely linked to finding the difference in the subtraction section of the calculation policy. |
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