Counting, partitioning and calculating

| Activity | Learning objectives | Managing the homework |
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| A1 |  |  |
| Count it away Count toys with Helper as they are put away. | Count reliably at least 20 objects, recognising that when rearranged the number of objects stays the same. | Before: Explain that the activity will help the children to count how many there are. <br> After: Encourage the children to count classroom resources as they put them away at the end of the lesson. |
| Fishing <br> Child adds to make given totals. Helper encourages mental calculation. | - Relate addition to counting on; recognise that addition can be done in any order; use practical and informal written methods to support the addition of a one-digit number to a one-digit number. <br> - Use the vocabulary related to addition and symbols to describe and record addition number sentences. | Before: Ask some addition questions, encouraging the children to count on in ones from the larger number. <br> After: Review the homework together. Ask the children to explain how they worked out their answers. |
| Number search <br> With Helper, look out for examples of numerals from 10 to 20 on the way home Draw where these were seen and write the numbers. | Read and write numerals from 0 to 20. | Before: Explain that this homework will help the children to read and write numbers with more confidence. <br> After: Review the homework as a class, asking individuals to write the numbers they found on the board. |
| Star sums <br> Use a grid to generate sums. Work them out. | - Relate addition to counting on; recognise that addition can be done in any order; use practical and informal written methods to support the addition of a one-digit number to a one-digit number. <br> - Use the vocabulary related to addition and symbols to describe and record addition number sentences. | Before: Explain that this homework will help the children to recall addition facts with numbers up to 5 . <br> After: Invite various children to write one of their sums on the board for the others to try. |
| A2 |  |  |
| Number snap <br> Child and Helper play Snap with cards cut from the sheet. The cards represent numbers in different ways: cubes; numerals; abacus. | Read numerals from 0 to 20. | Before: Explain that the activity will help the children to recognise tens and units numbers. <br> After: The game can be played in school with a partner. |
| Creepy crawly add <br> Count how many in each set, then find pairs to make given totals. | - Relate addition to counting on; recognise that addition can be done in any order; use practical and informal written methods to support the addition of a one-digit number to a one-digit number. <br> - Describe ways of solving puzzles and problems, explaining choices and decisions orally or using pictures. | Before: Explain that the children will need to count how many there are in each set before completing the addition sums. <br> After: Mark the homework together. Ask the children to explain how they worked out the answers. |
| How many do you think? <br> Estimate the number of minibeasts seen in a picture, then check by counting. | Count reliably at least 20 objects; estimate a number of objects that can be checked by counting. | Before: Remind the children that an estimate is a good guess of a number or amount. <br> After: Using an A3 copy of the sheet, encourage the children to explain how they made their estimates. |

