| Yr | Multiplication Strategies | Enactive (Concrete) | Iconic (Pictorial) | Symbolic |
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| $\begin{aligned} & \hline \mathbf{R} \\ & \text { Yr1 } \end{aligned}$ | Doubling | Use practical activities to show how to double a number. <br> double 4 is 8 <br> $4 \times 2=8$ | Draw pictures to show how to double a number. <br> Double 4 is 8 |  <br> Partition a number and then double each part before recombining it back together. |
| $\begin{aligned} & \mathrm{Yr} \\ & 1 / 2 \end{aligned}$ | Counting in Multiples | Count in multiples supported by concrete objects in equal groups. | Use a number line or pictures to continue support in counting in multiples. | Count in multiples of a number aloud. <br> Write sequences with multiples of numbers. <br> $2,4,6,8,10$ <br> $5,10,15,20,25,30$ |


| $\begin{aligned} & \mathrm{Yr} \\ & 1 / 2 \end{aligned}$ | Repeated Addition | Use different objects to add $3+3+3$ equal groups <br> Using Cuisenaire and number tracks | There are 3 plates．Each plate has 2 star biscuits on．How many biscuits are there？ <br> 2 add 2 add 2 equals 6 $5+5+5=15$ | Write addition sentences to describe objects and pictures． |
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| $\begin{aligned} & \mathrm{Yr} \\ & 2 / 3 \\ & 4 \end{aligned}$ | Arrays showing commutative multiplication | Create arrays using counters/ cubes to show multiplication sentences. | Draw arrays in different rotations to find commutative multiplication sentences. $\begin{array}{ll} 2 \times 4-8 & \\ & 2 \times 4=8 \\ & 00 \\ & \\ & 2 \times 2=8 \end{array}$ <br> Link arrays to area of rectangles. | Use an array to write multiplication sentences and reinforce repeated addition. $\begin{aligned} & 5+5+5=15 \\ & 3+3+3+3+3=15 \\ & 5 \times 3=15 \\ & 3 \times 5=15 \end{aligned}$ |
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| 4 | Grid Method | Show link with arrays to first introduce the grid method. <br> 4 rows of 10 4 rows of 3 <br> Move on to Cuisenaire to move towards a more compact method <br> 4 rows of 13 | Children can represent the work they have done with place value counters in a way that they understand. <br> They can draw the counters, using colours to show different amounts or just use circles in the different columns to show their thinking as shown below. | Start with multiplying by one digit numbers and showing the clear addition alongside the grid. $210+35=245$ <br> Moving forward, multiply by a 2 digit number, showing the different rows within the grid method. |




