

|  |  |   <br> (18) | $\begin{array}{rrr} H & \text { T } & 0 \\ \hline 1 & 2 & 6 \\ + & 1 & 7 \\ \hline 3 & 1 & 3 \\ \hline & 4 & 3 \end{array}$ $126+217=343$ <br> Note: Children should also study examples where exchange is required in more than one column, for example 185 $+318=$ ? |
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| Representin g addition problems, and selecting appropriate methods | Encourage children to use their own drawings and choices of place value equipment to represent problems with one or more steps. <br> These representations will help them to select appropriate methods. $275+99=$ | Children understand and create bar models to represent addition problems. $275+99=?$ $275+99=374$ | Use representations to support choices of appropriate methods. <br> I will add 100, then subtract 1 to find the solution. $128+105+83=?$ <br> I need to add three numbers. |



|  |  | Y3 Subtraction |  |
| :---: | :---: | :---: | :---: |
| Concept <br> Subtract <br> numbers <br> with up to <br> three digits <br> using formal <br> written <br> methods of <br> column <br> subtraction <br> without <br> exchange. | Concrete | Pictorial | Abstract |
|  | Model 456-221 using place value counters <br> The first picture shows 456. <br> The second picture shows 2 hundreds, 2 tens and 1 one being taken physically away. |  | $\begin{array}{r} H \text { T O } \\ \hline 999 \\ -352 \\ \hline 6447 \\ \hline \end{array}$ |



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| :---: | :---: | :---: | :---: |
| Concept | Concrete | Pictorial | Abstract |
| Recall and use multiplicatio $n$ and division facts for the $3 x$ tables | $\bigcirc \bigcirc$ |  | $\begin{aligned} & 1 \times 3=3 \\ & 2 \times 3=6 \\ & 3 \times 3=9 \end{aligned}$ |
| Recall and use multiplicatio $n$ and division facts for the 4 x tables |  | - | $\begin{aligned} & 3 \times 4=12 \\ & 4 \times 4=16 \\ & 5 \times 4=20 \end{aligned}$ |




