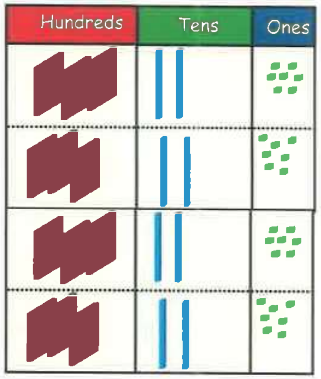
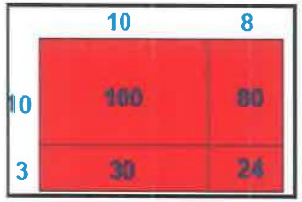
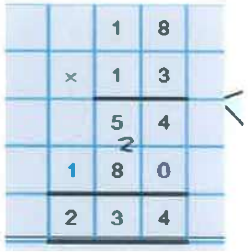
# Y5-6 MULTIPLICATION X

| Objective & Strategy | Concrete | Pictorial | Abstract |
|---|---|---|---|
| Column Multiplication for 3 and 4 digits x 1 digit. |  It is important at this stage that they always multiply the ones first. Children can continue to be supported by place value counters at the stage of multiplication. This initially done where there is no regrouping. 321 x 2 = 642 |  | 327<br>x 4<br>28<br>80<br>1200<br>1308<br><br>3 2 7<br>x 4<br>1 3 0 8<br>1 2<br>This will lead to a compact method. |
| Column multiplication | Manipulatives may still be used with the corresponding long multiplication modelled alongside. |  Continue to use bar modelling to support problem solving |  18 x 3 on the first row (8 x 3 =24, carrying the 2 for 20, then 1 x 3) 18 x 10 on the 2nd row. Show multiplying by 10 by putting zero in units first<br><br>1 2 3 4<br>x 1 6<br>7 4 0 4 (1234 x 6)<br>1 2 3 4 0 (1234 x 10)<br>1 9, 7 4 4 |