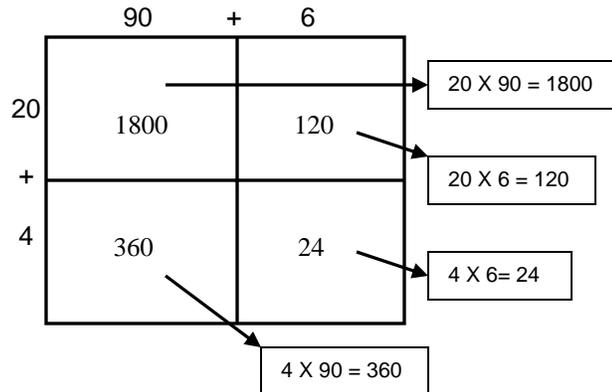# BOX MODEL FOR TWO-DIGIT MULTIPLICATION
(ABBREVIATED AREA MODEL)

Illustrate and solve the following problems using the Box Model for multiplication.

Example:

```
  96 = 90 + 6
x 24 = 20 + 4
         4 X 6 =    24
         4 x 90 =  360
        20 X 6 =  120
        20 X 90 = 1800
                  2304
```

```
        90   +   6

          |
20  | 1800  |  120
    |       |
 +  |-------|-------
    |       |
 4  |  360  |   24
```

20 X 90 = 1800

20 X 6 = 120

4 X 6= 24

4 X 90 = 360

1)

```
   57
x  38
```

2)

```
   23
x  49
```

Find the products. For each problem show the box to illustrate multiplication.

3)

    71
x 56

4)

    43
x 82

5)

    76
x 94

6)

    81
x 53

7)

    95
x 27