Multiplication by a Single Digit

This is where knowing your tables really pays off !

Examples :-

Find a 26 x 7   b 387 x 4   c 3276 x 8

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a     2 6          b     3 8 7          c     3 2 7 6
     x 7                 x 4                   x 8
    -----                -----               -------
    1 8 2               1 5 4 8             2 6 2 0 8
      4                   3 2                 2 6 4
```

Exercise 6

1. Copy the following and complete the calculations :-

   a   34   b   27   c   63   d   44
          x 3   x 4   x 7   x 4
        _____   _____   _____   _____

   e   126   f   245   g   208   h   192
          x 8   x 6   x 5   x 9
        _____   _____   _____   _____

   i   1252   j   3619   k   8004   l   9138
          x 4   x 7   x 9   x 8
        _____   _____   _____   _____

2. Rewrite each of these in the above form and complete the calculations :-

   a 67 x 8   b 84 x 7   c 6 x 93   d 29 x 5

   e 8 x 123   f 7 x 222   g 709 x 8   h 3 x 986

   i 4 x 2462   j 5 x 2222   k 1967 x 7   l 9 x 9067

3. Show your working in answering the following questions :-

   a Madge pays £24 **each month** for her mobile phone.

      How much will she have paid after **6 months** ?

   b Shona pays £18 **each week** to reduce her catalogue account ?

      How much had she paid after **8 weeks** ?

   c If there are **sixty minutes** in **one hour**, how many minutes are there in **9 hours** ?

d Chaz has filled 6 photograph albums.
  Each album contains 217 photographs.

  How many photographs does Chaz have ?

e A Teejay maths book contains 256 pages.

  How many pages would be needed for

  (i)   3 books   (ii) 9 books ?

f Find the value of   (i)   2 x 5 x 34
                            (ii)   3 x 46 x 4
                            (iii) 6 x 7 x 43.