

Strategy for Multiplication by Breaking Up Numbers

Example

$$\begin{aligned} 34 \times 7 &= (30 \times 7) + (4 \times 7) \quad [\text{break up the multiplicand, 34, into 30 and 4}] \\ &= (3 \times 7 \times 10) + 28 \quad [\text{break up the multiplication, } 30 \times 7] \\ &= 210 + 28 \quad [\text{add the products}] \\ &= \mathbf{238} \end{aligned}$$

Do these sums mentally.

1 $86 \times 8 =$

2 $47 \times 3 =$

3 $26 \times 9 =$

4 $53 \times 5 =$

5 $74 \times 6 =$

6 $64 \times 2 =$

7 $95 \times 7 =$

8 $43 \times 8 =$

9 $96 \times 4 =$

10 $56 \times 9 =$

6 128 7 665 8 344 9 384 10 504
1 688 2 141 3 234 4 265 5 444

Answers: