



4 Double, then double again, to quickly multiply by 4 or double, double and double again, to multiply by 8.

- a $12 \times 4 =$ _____ f $136 \times 4 =$ _____
- b $14 \times 4 =$ _____ g $124 \times 4 =$ _____
- c $16 \times 4 =$ _____ h $12 \times 8 =$ _____
- d $20 \times 4 =$ _____ i $14 \times 8 =$ _____
- e $24 \times 4 =$ _____ j $16 \times 8 =$ _____



125×4
Double 125 = 250
Double 250 = 500

5 Round to the nearest 10 (a-e), 100 (f-j) or 1000 (k-o) to make an estimate of these multiplications.

- a $29 \times 4 \approx$ _____ f $409 \times 3 \approx$ _____
- b $32 \times 5 \approx$ _____ g $413 \times 4 \approx$ _____
- c $49 \times 6 \approx$ _____ h $287 \times 5 \approx$ _____
- d $93 \times 7 \approx$ _____ i $820 \times 6 \approx$ _____
- e $69 \times 9 \approx$ _____ j $492 \times 7 \approx$ _____



$1989 \times 9 =$
Think
 2000×9
equals 18 000

6 Use multiplication facts and your knowledge of place value to answer these questions. For example, 40×60 equals 4 tens \times 6 tens which equals 24 hundreds (2400).

- a $20 \times 30 =$ _____ f $30 \times 70 =$ _____
- b $40 \times 30 =$ _____ g $50 \times 90 =$ _____
- c $50 \times 30 =$ _____ h $30 \times 60 =$ _____
- d $40 \times 50 =$ _____ i $80 \times 50 =$ _____
- e $50 \times 60 =$ _____ j $90 \times 90 =$ _____

7 Mentally calculate the answers to the multiplications.

- a $25 \times 3 =$ _____ f $131 \times 7 =$ _____
- b $36 \times 3 =$ _____ g $145 \times 5 =$ _____
- c $42 \times 4 =$ _____ h $254 \times 3 =$ _____
- d $63 \times 3 =$ _____ i $257 \times 4 =$ _____
- e $72 \times 2 =$ _____ j $174 \times 5 =$ _____

8 Multiply these multiples of 10.

- a $6 \times 9 =$ _____
- b $8 \times 7 =$ _____
- c $50 \times 9 =$ _____
- a $6 \times 90 =$ _____
- b $8 \times 70 =$ _____
- c $50 \times 90 =$ _____
- a $6 \times 900 =$ _____
- b $8 \times 700 =$ _____
- c $50 \times 900 =$ _____
- a $6 \times 9000 =$ _____
- b $8 \times 7000 =$ _____
- c $50 \times 9000 =$ _____

Select and apply efficient mental and written strategies and appropriate digital technologies to solve problems involving all four operations with whole numbers (ACMNA123)