

# Double, Then Double Again

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Bigger numbers - work the steps from left to right, then write the answer.

**How it works: Double, Then Double Again** Multiplying by 4 is doubling twice. By 8? Double three times.

$36 \times 8 = \underline{288}$

*double it*  
 $36 \times 2 = \underline{72}$

*double it again*  
 $\underline{72} \times 2 = \underline{144}$

*and double once more*  
 $\underline{144} \times 2 = \underline{288}$

1)  $4 \times 44 = \underline{\quad}$

*double it*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

*double it again*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

2)  $41 \times 8 = \underline{\quad}$

*double it*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

*double it again*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

*and double once more*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

3)  $46 \times 4 = \underline{\quad}$

*double it*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

*double it again*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

4)  $4 \times 38 = \underline{\quad}$

*double it*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

*double it again*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

5)  $8 \times 17 = \underline{\quad}$

*double it*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

*double it again*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

*and double once more*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

6)  $24 \times 8 = \underline{\quad}$

*double it*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

*double it again*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

*and double once more*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

7)  $8 \times 11 = \underline{\quad}$

*double it*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

*double it again*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

*and double once more*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

8)  $13 \times 4 = \underline{\quad}$

*double it*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

*double it again*  
 $\underline{\quad} \times \underline{\quad} = \underline{\quad}$



# Answer Key

## Double, Then Double Again - Bigger numbers

Every step is filled in. Check your work.

**How it works: Double, Then Double Again** Multiplying by 4 is doubling twice. By 8? Double three times.

$$36 \times 8 = \underline{288}$$

double it  
 $36 \times 2 = \underline{72}$

double it again  
 $72 \times 2 = \underline{144}$

and double once more  
 $144 \times 2 = \underline{288}$

1)  $4 \times 44 = \underline{176}$

double it  
 $44 \times 2 = \underline{88}$

double it again  
 $88 \times 2 = \underline{176}$

2)  $41 \times 8 = \underline{328}$

double it  
 $41 \times 2 = \underline{82}$

double it again  
 $82 \times 2 = \underline{164}$

and double once more  
 $164 \times 2 = \underline{328}$

3)  $46 \times 4 = \underline{184}$

double it  
 $46 \times 2 = \underline{92}$

double it again  
 $92 \times 2 = \underline{184}$

4)  $4 \times 38 = \underline{152}$

double it  
 $38 \times 2 = \underline{76}$

double it again  
 $76 \times 2 = \underline{152}$

5)  $8 \times 17 = \underline{136}$

double it  
 $17 \times 2 = \underline{34}$

double it again  
 $34 \times 2 = \underline{68}$

and double once more  
 $68 \times 2 = \underline{136}$

6)  $24 \times 8 = \underline{192}$

double it  
 $24 \times 2 = \underline{48}$

double it again  
 $48 \times 2 = \underline{96}$

and double once more  
 $96 \times 2 = \underline{192}$

7)  $8 \times 11 = \underline{88}$

double it  
 $11 \times 2 = \underline{22}$

double it again  
 $22 \times 2 = \underline{44}$

and double once more  
 $44 \times 2 = \underline{88}$

8)  $13 \times 4 = \underline{52}$

double it  
 $13 \times 2 = \underline{26}$

double it again  
 $26 \times 2 = \underline{52}$

