

Time:

Score:

Doubling 3-digit Numbers: 3 [ C ]



x 10,100,1000 ÷10,100,1000	<b>Doubling Lg</b> Halving Lg	Nice Numbers + Nr 100	- Nr 100 x5	x 50,25 Revision
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**Doubling 3-digit numbers**

Double each place in turn, starting with hundreds, then tens and ones.

For example, Double 431: double 4 (hundreds) + double 3 (tens) + double 1 (one) = 8 hundreds + 6 tens + 2 ones = 862.

**Doubling without regrouping**

- |                    |                     |                     |                     |
|--------------------|---------------------|---------------------|---------------------|
| 1) 242 × 2 = _____ | 6) 122 × 2 = _____  | 11) 422 × 2 = _____ | 16) 312 × 2 = _____ |
| 2) 434 × 2 = _____ | 7) 414 × 2 = _____  | 12) 203 × 2 = _____ | 17) 124 × 2 = _____ |
| 3) 411 × 2 = _____ | 8) 220 × 2 = _____  | 13) 343 × 2 = _____ | 18) 243 × 2 = _____ |
| 4) 234 × 2 = _____ | 9) 403 × 2 = _____  | 14) 241 × 2 = _____ | 19) 240 × 2 = _____ |
| 5) 341 × 2 = _____ | 10) 212 × 2 = _____ | 15) 204 × 2 = _____ | 20) 220 × 2 = _____ |

**Doubling 3-**  
Start with the  
needed without  
overwritten with

extra one is  
digit can be  
the answer.

**Doubling w**

- |                     |                     |                     |                     |
|---------------------|---------------------|---------------------|---------------------|
| 21) 146 × 2 = _____ | 26) 122 × 2 = _____ | 31) 122 × 2 = _____ | 36) 122 × 2 = _____ |
| 22) 437 × 2 = _____ | 27) 122 × 2 = _____ | 32) 122 × 2 = _____ | 37) 122 × 2 = _____ |
| 23) 248 × 2 = _____ | 28) 122 × 2 = _____ | 33) 122 × 2 = _____ | 38) 122 × 2 = _____ |
| 24) 138 × 2 = _____ | 29) 122 × 2 = _____ | 34) 122 × 2 = _____ | 39) 122 × 2 = _____ |
| 25) 225 × 2 = _____ | 30) 427 × 2 = _____ | 35) 723 × 2 = _____ | 40) 207 × 2 = _____ |

This is a

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**Multiplication**

- |                    |                    |
|--------------------|--------------------|
| 41) 5 × 5 = _____  | 46) 8 × 6 = _____  |
| 42) 8 × 9 = _____  | 47) 9 × 9 = _____  |
| 43) 10 × 7 = _____ | 48) 8 × 5 = _____  |
| 44) 9 × 4 = _____  | 49) 6 × 6 = _____  |
| 45) 6 × 9 = _____  | 50) 10 × 6 = _____ |

**Division**

- |                    |                    |
|--------------------|--------------------|
| 51) 32 ÷ 4 = _____ | 56) 40 ÷ 4 = _____ |
| 52) 16 ÷ 4 = _____ | 57) 90 ÷ 9 = _____ |
| 53) 64 ÷ 8 = _____ | 58) 24 ÷ 6 = _____ |
| 54) 70 ÷ 7 = _____ | 59) 36 ÷ 9 = _____ |
| 55) 48 ÷ 8 = _____ | 60) 28 ÷ 7 = _____ |

This worksheet is part of the Professor Pete's Classroom eBook "Ten Minutes a Day 3: Mental Strategies Worksheets".

Time:

Score:

Doubling 3-digit Numbers: 3 [ D ]



x 10,100,1000 ÷10,100,1000	<b>Doubling Lg</b> Halving Lg	Nice Numbers + Nr 100	- Nr 100	x 50,25 Revision
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**Doubling 3-digit numbers with regrouping**

Start with the hundreds, then the tens and the ones.  
Write digits lightly as you double them if you cannot remember them all.

**Double these numbers**

- |                           |                            |                            |
|---------------------------|----------------------------|----------------------------|
| 1) $288 \times 2 =$ _____ | 6) $105 \times 2 =$ _____  | 11) $484 \times 2 =$ _____ |
| 2) $852 \times 2 =$ _____ | 7) $196 \times 2 =$ _____  | 12) $909 \times 2 =$ _____ |
| 3) $925 \times 2 =$ _____ | 8) $515 \times 2 =$ _____  | 13) $734 \times 2 =$ _____ |
| 4) $714 \times 2 =$ _____ | 9) $382 \times 2 =$ _____  | 14) $850 \times 2 =$ _____ |
| 5) $837 \times 2 =$ _____ | 10) $643 \times 2 =$ _____ | 15) $825 \times 2 =$ _____ |

**x10, x100 o**

- 16)  $36.0 \times$  \_\_\_\_\_  
 17)  $34 \times 1$  \_\_\_\_\_  
 18)  $9.31 \times$  \_\_\_\_\_  
 19)  $578 \times$  \_\_\_\_\_  
 20)  $4.65 \times$  \_\_\_\_\_

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**Divide thes**

- |           |                                |                                |
|-----------|--------------------------------|--------------------------------|
| 26) 2,391 | 27) $7,796 \div 100 =$ _____   | 32) $158.94 \div 10 =$ _____   |
|           | 28) $146.1 \div 100 =$ _____   | 33) $86,494 \div 100 =$ _____  |
|           | 29) $1,171 \div 1,000 =$ _____ | 34) $57,471 \div 10 =$ _____   |
|           | 30) $1,548 \div 10 =$ _____    | 35) $2,202.4 \div 100 =$ _____ |

**Addition revision**

- |                      |                     |
|----------------------|---------------------|
| 36) $6 + 8 =$ _____  | 40) $9 + 4 =$ _____ |
| 37) $10 + 8 =$ _____ | 41) $3 + 6 =$ _____ |
| 38) $10 + 9 =$ _____ | 42) $5 + 7 =$ _____ |
| 39) $3 + 7 =$ _____  | 43) $8 + 4 =$ _____ |

**Subtraction revision**

- |                      |                      |
|----------------------|----------------------|
| 44) $16 - 7 =$ _____ | 48) $10 - 4 =$ _____ |
| 45) $12 - 3 =$ _____ | 49) $17 - 9 =$ _____ |
| 46) $9 - 2 =$ _____  | 50) $17 - 8 =$ _____ |
| 47) $14 - 9 =$ _____ | 51) $15 - 7 =$ _____ |

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x 10,100,1000 ÷10,100,1000	<b>Doubling Lg</b> Halving Lg	Nice Numbers + Nr 100	- Nr 100	x 50,25 x5	Revision
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**Information for Parents: Doubling 2-digit Numbers**

**Doubling 2-digit numbers**

Double both places, starting with the tens.

For example, Double 23: double the 2 (tens), double the 3: 4 tens + 6 = 46.

**Doubling without regrouping**

- |                          |                          |                           |                           |
|--------------------------|--------------------------|---------------------------|---------------------------|
| 1) $10 \times 2 =$ _____ | 6) $21 \times 2 =$ _____ | 11) $41 \times 2 =$ _____ | 16) $1 \times 2 =$ _____  |
| 2) $32 \times 2 =$ _____ | 7) $34 \times 2 =$ _____ | 12) $43 \times 2 =$ _____ | 17) $23 \times 2 =$ _____ |
| 3) $11 \times 2 =$ _____ | 8) $23 \times 2 =$ _____ | 13) $22 \times 2 =$ _____ | 18) $12 \times 2 =$ _____ |
| 4) $34 \times 2 =$ _____ | 9) $44 \times 2 =$ _____ | 14) $24 \times 2 =$ _____ | 19) $41 \times 2 =$ _____ |
| 5) $13 \times 2 =$ _____ |                          |                           |                           |

**Doubling 2-**

Start by doubling the 8, then write the 8 vertically. Now double the 1, then record the remainder.

**Doubling with**

- |                           |                           |                           |                           |
|---------------------------|---------------------------|---------------------------|---------------------------|
| 21) $17 \times 2 =$ _____ |                           |                           |                           |
| 22) $39 \times 2 =$ _____ |                           |                           |                           |
| 23) $26 \times 2 =$ _____ |                           |                           |                           |
| 24) $21 \times 2 =$ _____ | 29) $14 \times 2 =$ _____ | 34) $42 \times 2 =$ _____ | 39) $46 \times 2 =$ _____ |
| 25) $27 \times 2 =$ _____ | 30) $28 \times 2 =$ _____ | 35) $46 \times 2 =$ _____ | 40) $43 \times 2 =$ _____ |

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**x10, x100 or x1000, including decimals**

- |                                |                                |
|--------------------------------|--------------------------------|
| 41) $6.3 \times 1,000 =$ _____ | 46) $64.0 \times 10 =$ _____   |
| 42) $39.5 \times 10 =$ _____   | 47) $126 \times 1,000 =$ _____ |
| 43) $102 \times 10 =$ _____    | 48) $46.1 \times 100 =$ _____  |
| 44) $949 \times 100 =$ _____   | 49) $878 \times 1,000 =$ _____ |
| 45) $497 \times 100 =$ _____   | 50) $7.2 \times 10 =$ _____    |

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