

Name \_\_\_\_\_

Date \_\_\_\_\_



## MULTIPLYING DECIMALS BY 10 AND 100 SHEET 1C (UP TO 3DP)

A) Multiply these numbers by 10.

- |                             |                              |                              |
|-----------------------------|------------------------------|------------------------------|
| 1) $0.16 \times 10 =$ _____ | 2) $2.127 \times 10 =$ _____ | 3) $10 \times 8.52 =$ _____  |
| 4) $3.19 \times 10 =$ _____ | 5) $10 \times 7.159 =$ _____ | 6) $0.029 \times 10 =$ _____ |
| 7) $10 \times 82.8 =$ _____ | 8) $6.584 \times 10 =$ _____ | 9) $10 \times 30.28 =$ _____ |

B) Multiply these numbers by 100.

- |                               |                               |                               |
|-------------------------------|-------------------------------|-------------------------------|
| 1) $1.742 \times 100 =$ _____ | 2) $0.694 \times 100 =$ _____ | 3) $100 \times 20.8 =$ _____  |
| 4) $100 \times 2.185 =$ _____ | 5) $100 \times 13.29 =$ _____ | 6) $1.793 \times 100 =$ _____ |
| 7) $50.3 \times 100 =$ _____  | 8) $100 \times 3.402 =$ _____ | 9) $100 \times 69.51 =$ _____ |

C) 10 or 100 times bigger? Circle the correct amount.

- |   |  |
|---|--|
| 1) <b>72.4</b> is <b>10x</b> 100x bigger than <b>7.24</b> | 2) <b>23.8</b> is 10x 100x bigger than <b>0.238</b>  |
| 3) <b>46.23</b> is 10x 100x bigger than <b>4.623</b>      | 4) <b>179.2</b> is 10x 100x bigger than <b>1.792</b> |
| 5) <b>8</b> is 10x 100x bigger than <b>0.08</b>           | 6) <b>32.71</b> is 10x 100x bigger than <b>3.271</b> |
| 7) <b>782.5</b> is 10x 100x bigger than <b>7.825</b>      | 8) <b>150</b> is 10x 100x bigger than <b>1.5</b>     |

D) Multiply these numbers by 10 or 100.

- |                               |                               |                                |
|-------------------------------|-------------------------------|--------------------------------|
| 1) $0.135 \times 10 =$ _____  | 2) $100 \times 0.74 =$ _____  | 3) $1.238 \times 100 =$ _____  |
| 4) $10 \times 2.506 =$ _____  | 5) $58.4 \times 100 =$ _____  | 6) $10 \times 0.07 =$ _____    |
| 7) $4.05 \times 100 =$ _____  | 8) $10 \times 1.698 =$ _____  | 9) $3.87 \times 100 =$ _____   |
| 10) $10 \times 0.239 =$ _____ | 11) $92.3 \times 100 =$ _____ | 12) $0.401 \times 100 =$ _____ |



# MULTIPLYING DECIMALS BY 10 AND 100 SHEET 1C ANSWERS

A) Multiply these numbers by 10.

- 1)  $0.16 \times 10 = \underline{1.6}$       2)  $2.127 \times 10 = \underline{21.27}$       3)  $10 \times 8.52 = \underline{85.2}$   
 4)  $3.19 \times 10 = \underline{31.9}$       5)  $10 \times 7.159 = \underline{71.59}$       6)  $0.029 \times 10 = \underline{0.29}$   
 7)  $10 \times 82.8 = \underline{828}$       8)  $6.584 \times 10 = \underline{65.84}$       9)  $10 \times 30.28 = \underline{302.8}$

B) Multiply these numbers by 100.

- 1)  $1.742 \times 100 = \underline{174.2}$       2)  $0.694 \times 100 = \underline{69.4}$       3)  $100 \times 20.8 = \underline{2080}$   
 4)  $100 \times 2.185 = \underline{218.5}$       5)  $100 \times 13.29 = \underline{1329}$       6)  $1.793 \times 100 = \underline{179.3}$   
 7)  $50.3 \times 100 = \underline{5030}$       8)  $100 \times 3.402 = \underline{340.2}$       9)  $100 \times 69.51 = \underline{6951}$

C) 10 or 100 times bigger? Circle the correct amount.

- 1) 72.4 is 10x 100x bigger than 7.24      2) 23.8 is 10x 100x bigger than 0.238  
 3) 46.23 is 10x 100x bigger than 4.623      4) 179.2 is 10x 100x bigger than 1.792  
 5) 8 is 10x 100x bigger than 0.08      6) 32.71 is 10x 100x bigger than 3.271  
 7) 782.5 is 10x 100x bigger than 7.825      8) 150 is 10x 100x bigger than 1.5

D) Multiply these numbers by 10 or 100.

- 1)  $0.135 \times 10 = \underline{1.35}$       2)  $100 \times 0.74 = \underline{74}$       3)  $1.238 \times 100 = \underline{123.8}$   
 4)  $10 \times 2.506 = \underline{25.06}$       5)  $58.4 \times 100 = \underline{5840}$       6)  $10 \times 0.07 = \underline{0.7}$   
 7)  $4.05 \times 100 = \underline{405}$       8)  $10 \times 1.698 = \underline{16.98}$       9)  $3.87 \times 100 = \underline{387}$   
 10)  $10 \times 0.239 = \underline{2.39}$       11)  $92.3 \times 100 = \underline{9230}$       12)  $0.401 \times 100 = \underline{40.1}$