

Name \_\_\_\_\_

Date \_\_\_\_\_



## MULTIPLYING DECIMALS BY 10 AND 100 SHEET 1B (UP TO 2DP)

A) Multiply these numbers by 10.

- |                             |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|
| 1) $0.37 \times 10 =$ _____ | 2) $2.27 \times 10 =$ _____ | 3) $10 \times 8.2 =$ _____  |
| 4) $1.92 \times 10 =$ _____ | 5) $10 \times 3.59 =$ _____ | 6) $0.09 \times 10 =$ _____ |
| 7) $10 \times 2.8 =$ _____  | 8) $9.54 \times 10 =$ _____ | 9) $10 \times 29.8 =$ _____ |

B) Multiply these numbers by 100.

- |                              |                              |                              |
|------------------------------|------------------------------|------------------------------|
| 1) $1.72 \times 100 =$ _____ | 2) $0.64 \times 100 =$ _____ | 3) $100 \times 12.8 =$ _____ |
| 4) $100 \times 2.15 =$ _____ | 5) $100 \times 13.2 =$ _____ | 6) $1.73 \times 100 =$ _____ |
| 7) $6.3 \times 100 =$ _____  | 8) $100 \times 3.02 =$ _____ | 9) $100 \times 39.1 =$ _____ |

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

- |  |  |
|--|--|
| 1) <b>154</b> is <u>10x</u> 100x bigger than <b>15.4</b> | 2) <b>53</b> is 10x 100x bigger than <b>0.53</b>   |
| 3) <b>46.2</b> is 10x 100x bigger than <b>4.62</b>       | 4) <b>79.2</b> is 10x 100x bigger than <b>7.92</b> |
| 5) <b>60</b> is 10x 100x bigger than <b>0.6</b>          | 6) <b>12.7</b> is 10x 100x bigger than <b>1.27</b> |
| 7) <b>782</b> is 10x 100x bigger than <b>7.82</b>        | 8) <b>940</b> is 10x 100x bigger than <b>9.4</b>   |

D) Multiply these numbers by 10 or 100.

- |                              |                               |                               |
|------------------------------|-------------------------------|-------------------------------|
| 1) $2.15 \times 10 =$ _____  | 2) $100 \times 0.4 =$ _____   | 3) $1.38 \times 100 =$ _____  |
| 4) $10 \times 1.56 =$ _____  | 5) $18.4 \times 100 =$ _____  | 6) $10 \times 0.07 =$ _____   |
| 7) $4.05 \times 100 =$ _____ | 8) $10 \times 164.8 =$ _____  | 9) $0.87 \times 100 =$ _____  |
| 10) $10 \times 0.39 =$ _____ | 11) $41.3 \times 100 =$ _____ | 12) $9.38 \times 100 =$ _____ |



# MULTIPLYING DECIMALS BY 10 AND 100 SHEET 1B ANSWERS

A) Multiply these numbers by 10.

- |  |  |                                       |
|--|--|---------------------------------------|
| 1) $0.37 \times 10 = \underline{3.7}$  | 2) $2.27 \times 10 = \underline{22.7}$ | 3) $10 \times 8.2 = \underline{82}$   |
| 4) $1.92 \times 10 = \underline{19.2}$ | 5) $10 \times 3.59 = \underline{35.9}$ | 6) $0.09 \times 10 = \underline{0.9}$ |
| 7) $10 \times 2.8 = \underline{28}$    | 8) $9.54 \times 10 = \underline{95.4}$ | 9) $10 \times 29.8 = \underline{298}$ |

B) Multiply these numbers by 100.

- |  |   |   |
|--|---|---|
| 1) $1.72 \times 100 = \underline{172}$ | 2) $0.64 \times 100 = \underline{64}$   | 3) $100 \times 12.8 = \underline{1280}$ |
| 4) $100 \times 2.15 = \underline{215}$ | 5) $100 \times 13.2 = \underline{1320}$ | 6) $1.73 \times 100 = \underline{173}$  |
| 7) $6.3 \times 100 = \underline{630}$  | 8) $100 \times 3.02 = \underline{302}$  | 9) $100 \times 39.1 = \underline{3910}$ |

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

- |   |   |
|---|---|
| 1) 154 is <u>10x</u> 100x bigger than 15.4  | 2) 53 is 10x <u>100x</u> bigger than 0.53   |
| 3) 46.2 is <u>10x</u> 100x bigger than 4.62 | 4) 79.2 is <u>10x</u> 100x bigger than 7.92 |
| 5) 60 is 10x <u>100x</u> bigger than 0.6    | 6) 12.7 is <u>10x</u> 100x bigger than 1.27 |
| 7) 782 is 10x <u>100x</u> bigger than 7.82  | 8) 940 is 10x <u>100x</u> bigger than 9.4   |

D) Multiply these numbers by 10 or 100.

- |  |  |   |
|--|--|---|
| 1) $2.15 \times 10 = \underline{21.5}$ | 2) $100 \times 0.4 = \underline{40}$     | 3) $1.38 \times 100 = \underline{138}$  |
| 4) $10 \times 1.56 = \underline{15.6}$ | 5) $18.4 \times 100 = \underline{1840}$  | 6) $10 \times 0.07 = \underline{0.7}$   |
| 7) $4.05 \times 100 = \underline{405}$ | 8) $10 \times 164.8 = \underline{1648}$  | 9) $0.87 \times 100 = \underline{87}$   |
| 10) $10 \times 0.39 = \underline{3.9}$ | 11) $41.3 \times 100 = \underline{4130}$ | 12) $9.38 \times 100 = \underline{938}$ |