

Name _____

Date _____



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

A) Work out these multiplications.

- | | | |
|--------------------------------|--------------------------------|--------------------------------|
| 1) $6.27 \times 100 =$ _____ | 2) $5.32 \times 100 =$ _____ | 3) $100 \times 0.512 =$ _____ |
| 4) $1.253 \times 100 =$ _____ | 5) $100 \times 0.951 =$ _____ | 6) $31.58 \times 100 =$ _____ |
| 7) $100 \times 21.63 =$ _____ | 8) $52.2 \times 100 =$ _____ | 9) $100 \times 3.621 =$ _____ |
| 10) $0.502 \times 100 =$ _____ | 11) $100 \times 122.9 =$ _____ | 12) $0.782 \times 100 =$ _____ |
| 13) $100 \times 17.32 =$ _____ | 14) $5.439 \times 100 =$ _____ | 15) $100 \times 3.527 =$ _____ |
| 16) $0.698 \times 100 =$ _____ | 17) $100 \times 164.7 =$ _____ | 18) $65.29 \times 100 =$ _____ |
| 19) $100 \times 7.028 =$ _____ | 20) $26.95 \times 100 =$ _____ | 21) $100 \times 578.4 =$ _____ |
| 22) $0.526 \times 100 =$ _____ | 23) $100 \times 5.097 =$ _____ | 24) $1.427 \times 100 =$ _____ |

B) Make each of these numbers 100 times bigger.

- | | | |
|------------------------------|-------------------------------|-------------------------------|
| 1) $51.7 \rightarrow$ _____ | 2) $562.6 \rightarrow$ _____ | 3) $8.95 \rightarrow$ _____ |
| 4) $730 \rightarrow$ _____ | 5) $162.9 \rightarrow$ _____ | 6) $5.025 \rightarrow$ _____ |
| 7) $0.903 \rightarrow$ _____ | 8) $2.639 \rightarrow$ _____ | 9) $129.04 \rightarrow$ _____ |
| 10) $576 \rightarrow$ _____ | 11) $593.8 \rightarrow$ _____ | 12) $3.749 \rightarrow$ _____ |

C) Fill in the missing numbers

- | | | |
|---------------------------------|---------------------------------|---------------------------------|
| 1) $5.37 \times$ _____ $= 537$ | 2) _____ $\times 100 = 12.8$ | 3) $100 \times$ _____ $= 165$ |
| 4) _____ $\times 1.29 = 129$ | 5) $35.7 \times 100 =$ _____ | 6) _____ $\times 100 = 743$ |
| 7) $100 \times$ _____ $= 36.7$ | 8) _____ $\times 100 = 158$ | 9) $100 \times$ _____ $= 124.6$ |
| 10) _____ $\times 1.28 = 128$ | 11) $100 \times$ _____ $= 73.2$ | 12) _____ $\times 100 = 193$ |
| 13) $100 \times$ _____ $= 3672$ | 14) _____ $\times 0.819 = 81.9$ | 15) $0.921 \times 100 =$ _____ |



MULTIPLYING DECIMALS BY 100 SHEET 1C ANSWERS

A) Work out these multiplications.

- | | | |
|----------------------------------------|----------------------------------------|----------------------------------------|
| 1) $6.27 \times 100 = $ <u>627</u> | 2) $5.32 \times 100 = $ <u>532</u> | 3) $100 \times 0.512 = $ <u>51.2</u> |
| 4) $1.253 \times 100 = $ <u>125.3</u> | 5) $100 \times 0.951 = $ <u>95.1</u> | 6) $31.58 \times 100 = $ <u>3158</u> |
| 7) $100 \times 21.63 = $ <u>2163</u> | 8) $52.2 \times 100 = $ <u>5220</u> | 9) $100 \times 3.621 = $ <u>362.1</u> |
| 10) $0.502 \times 100 = $ <u>50.2</u> | 11) $100 \times 122.9 = $ <u>12290</u> | 12) $0.782 \times 100 = $ <u>78.2</u> |
| 13) $100 \times 17.32 = $ <u>1732</u> | 14) $5.439 \times 100 = $ <u>543.9</u> | 15) $100 \times 3.527 = $ <u>352.7</u> |
| 16) $0.698 \times 100 = $ <u>69.8</u> | 17) $100 \times 164.7 = $ <u>16470</u> | 18) $65.29 \times 100 = $ <u>6529</u> |
| 19) $100 \times 7.028 = $ <u>702.8</u> | 20) $26.95 \times 100 = $ <u>2695</u> | 21) $100 \times 578.4 = $ <u>57840</u> |
| 22) $0.526 \times 100 = $ <u>52.6</u> | 23) $100 \times 5.097 = $ <u>509.7</u> | 24) $1.427 \times 100 = $ <u>142.7</u> |

B) Make each of these numbers 100 times bigger.

- | | | |
|-------------------------------------|---------------------------------------|---------------------------------------|
| 1) $51.7 \rightarrow $ <u>5170</u> | 2) $562.6 \rightarrow $ <u>56260</u> | 3) $8.95 \rightarrow $ <u>895</u> |
| 4) $730 \rightarrow $ <u>73000</u> | 5) $162.9 \rightarrow $ <u>16290</u> | 6) $5.025 \rightarrow $ <u>502.5</u> |
| 7) $0.903 \rightarrow $ <u>90.3</u> | 8) $2.639 \rightarrow $ <u>263.9</u> | 9) $129.04 \rightarrow $ <u>12904</u> |
| 10) $576 \rightarrow $ <u>57600</u> | 11) $593.8 \rightarrow $ <u>59380</u> | 12) $3.749 \rightarrow $ <u>374.9</u> |

C) Fill in the missing numbers

- | | | |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| 1) $5.37 \times $ <u>100</u> $= 537$ | 2) <u>0.128</u> $\times 100 = 12.8$ | 3) $100 \times $ <u>1.65</u> $= 165$ |
| 4) <u>100</u> $\times 1.29 = 129$ | 5) $35.7 \times 100 = $ <u>3570</u> | 6) <u>7.43</u> $\times 100 = 743$ |
| 7) $100 \times $ <u>0.367</u> $= 36.7$ | 8) <u>1.58</u> $\times 100 = 158$ | 9) $100 \times $ <u>1.246</u> $= 124.6$ |
| 10) <u>100</u> $\times 1.28 = 128$ | 11) $100 \times $ <u>0.732</u> $= 73.2$ | 12) <u>1.93</u> $\times 100 = 193$ |
| 13) $100 \times $ <u>36.72</u> $= 3672$ | 14) <u>100</u> $\times 0.819 = 81.9$ | 15) $0.921 \times 100 = $ <u>92.1</u> |