

Name \_\_\_\_\_

Date \_\_\_\_\_



## MULTIPLYING DECIMALS BY 10 AND 100 SHEET 2C (UP TO 3DP)

A) Work out these multiplications.

- |                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| 1) $0.58 \times 10 =$ _____    | 2) $1.94 \times 100 =$ _____   | 3) $100 \times 0.238 =$ _____  |
| 4) $5.39 \times 100 =$ _____   | 5) $10 \times 87.5 =$ _____    | 6) $5.216 \times 100 =$ _____  |
| 7) $10 \times 7.608 =$ _____   | 8) $9.22 \times 100 =$ _____   | 9) $100 \times 0.08 =$ _____   |
| 10) $14.2 \times 100 =$ _____  | 11) $10 \times 2.394 =$ _____  | 12) $5.27 \times 100 =$ _____  |
| 13) $100 \times 17.3 =$ _____  | 14) $6.539 \times 10 =$ _____  | 15) $10 \times 1.852 =$ _____  |
| 16) $0.98 \times 100 =$ _____  | 17) $100 \times 0.02 =$ _____  | 18) $0.295 \times 10 =$ _____  |
| 19) $100 \times 1.914 =$ _____ | 20) $5.384 \times 10 =$ _____  | 21) $100 \times 14.38 =$ _____ |
| 22) $4.287 \times 10 =$ _____  | 23) $100 \times 25.09 =$ _____ | 24) $0.068 \times 100 =$ _____ |

B) Fill in the missing numbers

- |                                 |                                |                                |
|---------------------------------|--------------------------------|--------------------------------|
| 1) $3.91 \times$ _____ $= 39.1$ | 2) _____ $\times 100 = 122$    | 3) $100 \times$ _____ $= 50$   |
| 4) _____ $\times 1.95 = 195$    | 5) $0.275 \times 10 =$ _____   | 6) _____ $\times 0.329 = 32.9$ |
| 7) $10 \times$ _____ $= 3.82$   | 8) _____ $\times 100 = 4.7$    | 9) $10 \times$ _____ $= 125.7$ |
| 10) _____ $\times 6.15 = 615$   | 11) $10 \times$ _____ $= 3740$ | 12) _____ $\times 100 = 50.3$  |

C) Choose a different number from this list each time to write in the missing spaces.

1.76	8.3	2.325	4.09	17.9	6.027	13.82	0.156
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- |  |                    |
|--|--------------------|
| 1) _____ $\times 10$ is between 20 and 30    | Actual value _____ |
| 2) $100 \times$ _____ is between 10 and 20   | Actual value _____ |
| 3) $10 \times$ _____ is between 100 and 150  | Actual value _____ |
| 4) _____ $\times 100$ is between 300 and 600 | Actual value _____ |

Name

Date



## MULTIPLYING DECIMALS BY 10 AND 100 SHEET 2C ANSWERS

A) Work out these multiplications.

- |  |   |   |
|--|---|---|
| 1) $0.58 \times 10 = \underline{5.8}$      | 2) $1.94 \times 100 = \underline{194}$    | 3) $100 \times 0.238 = \underline{23.8}$  |
| 4) $5.39 \times 100 = \underline{539}$     | 5) $10 \times 87.5 = \underline{875}$     | 6) $5.216 \times 100 = \underline{521.6}$ |
| 7) $10 \times 7.608 = \underline{76.08}$   | 8) $9.22 \times 100 = \underline{922}$    | 9) $100 \times 0.08 = \underline{8}$      |
| 10) $14.2 \times 100 = \underline{1420}$   | 11) $10 \times 2.394 = \underline{23.94}$ | 12) $5.27 \times 100 = \underline{527}$   |
| 13) $100 \times 17.3 = \underline{1730}$   | 14) $6.539 \times 10 = \underline{65.39}$ | 15) $10 \times 1.852 = \underline{18.52}$ |
| 16) $0.98 \times 100 = \underline{98}$     | 17) $100 \times 0.02 = \underline{2}$     | 18) $0.295 \times 10 = \underline{2.95}$  |
| 19) $100 \times 1.914 = \underline{191.4}$ | 20) $5.384 \times 10 = \underline{53.84}$ | 21) $100 \times 14.38 = \underline{1438}$ |
| 22) $4.287 \times 10 = \underline{42.87}$  | 23) $100 \times 25.09 = \underline{2509}$ | 24) $0.068 \times 100 = \underline{6.8}$  |

B) Fill in the missing numbers

- |   |   |   |
|---|---|---|
| 1) $3.91 \times \underline{10} = 39.1$  | 2) $\underline{1.22} \times 100 = 122$  | 3) $100 \times \underline{0.5} = 50$      |
| 4) $\underline{100} \times 1.95 = 195$  | 5) $0.275 \times 10 = \underline{2.75}$ | 6) $\underline{100} \times 0.329 = 32.9$  |
| 7) $10 \times \underline{0.382} = 3.82$ | 8) $\underline{0.047} \times 100 = 4.7$ | 9) $10 \times \underline{12.57} = 125.7$  |
| 10) $\underline{100} \times 6.15 = 615$ | 11) $10 \times \underline{374} = 3740$  | 12) $\underline{0.503} \times 100 = 50.3$ |

C) Choose a different number from this list each time to write in the missing spaces.

1.76	8.3	2.325	4.09	17.9	6.027	13.82	0.156
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- |                                   |                        |                                  |
|-----------------------------------|------------------------|----------------------------------|
| 1) $\underline{2.325} \times 10$  | is between 20 and 30   | Actual value $\underline{23.25}$ |
| 2) $100 \times \underline{0.156}$ | is between 10 and 20   | Actual value $\underline{15.6}$  |
| 3) $10 \times \underline{13.82}$  | is between 100 and 150 | Actual value $\underline{138.2}$ |
| 4) $\underline{4.09} \times 100$  | is between 300 and 600 | Actual value $\underline{409}$   |