

Name _____

Date _____



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

A) Work out these multiplications.

- | | | |
|-------------------------------|-------------------------------|--------------------------------|
| 1) $0.27 \times 10 =$ _____ | 2) $1.4 \times 100 =$ _____ | 3) $100 \times 0.38 =$ _____ |
| 4) $5.3 \times 100 =$ _____ | 5) $10 \times 7.5 =$ _____ | 6) $3.26 \times 100 =$ _____ |
| 7) $10 \times 7.68 =$ _____ | 8) $0.22 \times 100 =$ _____ | 9) $100 \times 6.08 =$ _____ |
| 10) $4.2 \times 100 =$ _____ | 11) $10 \times 53.4 =$ _____ | 12) $5.67 \times 100 =$ _____ |
| 13) $100 \times 27.3 =$ _____ | 14) $9.54 \times 10 =$ _____ | 15) $10 \times 1.82 =$ _____ |
| 16) $8.98 \times 100 =$ _____ | 17) $100 \times 0.74 =$ _____ | 18) $1.29 \times 10 =$ _____ |
| 19) $100 \times 19.4 =$ _____ | 20) $15.38 \times 10 =$ _____ | 21) $100 \times 12.36 =$ _____ |
| 22) $42.87 \times 10 =$ _____ | 23) $10 \times 25.09 =$ _____ | 24) $20.68 \times 100 =$ _____ |

B) Fill in the missing numbers

- | | | |
|--------------------------------|-------------------------------|-------------------------------|
| 1) $1.23 \times$ _____ $= 123$ | 2) _____ $\times 10 = 5.2$ | 3) $100 \times$ _____ $= 382$ |
| 4) _____ $\times 19.5 = 195$ | 5) $2.75 \times 10 =$ _____ | 6) _____ $\times 3.29 = 329$ |
| 7) $10 \times$ _____ $= 382$ | 8) _____ $\times 100 = 470$ | 9) $10 \times$ _____ $= 25.7$ |
| 10) _____ $\times 2.38 = 23.8$ | 11) $10 \times$ _____ $= 672$ | 12) _____ $\times 100 = 906$ |

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

4.75	6.8	9.03	2.9	0.38	5.17	0.63	12.7
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- | | |
|--|--------------------|
| 1) _____ $\times 10$ is between 50 and 60 | Actual value _____ |
| 2) $100 \times$ _____ is between 60 and 70 | Actual value _____ |
| 3) $10 \times$ _____ is between 80 and 100 | Actual value _____ |
| 4) _____ $\times 100$ is between 300 and 500 | Actual value _____ |

Name

Date



MULTIPLYING DECIMALS BY 10 AND 100 SHEET 2B ANSWERS

A) Work out these multiplications.

- | | | |
|---|---|---|
| 1) $0.27 \times 10 = \underline{2.7}$ | 2) $1.4 \times 100 = \underline{140}$ | 3) $100 \times 0.38 = \underline{38}$ |
| 4) $5.3 \times 100 = \underline{53}$ | 5) $10 \times 7.5 = \underline{75}$ | 6) $3.26 \times 100 = \underline{326}$ |
| 7) $10 \times 7.68 = \underline{76.8}$ | 8) $0.22 \times 100 = \underline{22}$ | 9) $100 \times 6.08 = \underline{608}$ |
| 10) $4.2 \times 100 = \underline{420}$ | 11) $10 \times 53.4 = \underline{534}$ | 12) $5.67 \times 100 = \underline{567}$ |
| 13) $100 \times 27.3 = \underline{2730}$ | 14) $9.54 \times 10 = \underline{95.4}$ | 15) $10 \times 1.82 = \underline{18.2}$ |
| 16) $8.98 \times 100 = \underline{898}$ | 17) $100 \times 0.74 = \underline{74}$ | 18) $1.29 \times 10 = \underline{12.9}$ |
| 19) $100 \times 19.4 = \underline{1940}$ | 20) $15.38 \times 10 = \underline{153.8}$ | 21) $100 \times 12.36 = \underline{1236}$ |
| 22) $42.87 \times 10 = \underline{428.7}$ | 23) $10 \times 25.09 = \underline{250.9}$ | 24) $20.68 \times 100 = \underline{2068}$ |

B) Fill in the missing numbers

- | | | |
|---|--|---|
| 1) $1.23 \times \underline{100} = 123$ | 2) $\underline{0.52} \times 10 = 5.2$ | 3) $100 \times \underline{3.82} = 382$ |
| 4) $\underline{10} \times 19.5 = 195$ | 5) $2.75 \times 10 = \underline{27.5}$ | 6) $\underline{100} \times 3.29 = 329$ |
| 7) $10 \times \underline{38.2} = 382$ | 8) $\underline{4.7} \times 100 = 470$ | 9) $10 \times \underline{2.57} = 25.7$ |
| 10) $\underline{10} \times 2.38 = 23.8$ | 11) $10 \times \underline{67.2} = 672$ | 12) $\underline{9.06} \times 100 = 906$ |

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

4.75	6.8	9.03	2.9	0.38	5.17	0.63	12.7
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- | | | |
|----------------------------------|------------------------|---------------------------------|
| 1) $\underline{5.17} \times 10$ | is between 50 and 60 | Actual value $\underline{51.7}$ |
| 2) $100 \times \underline{0.63}$ | is between 60 and 70 | Actual value $\underline{63}$ |
| 3) $10 \times \underline{9.03}$ | is between 80 and 100 | Actual value $\underline{90.3}$ |
| 4) $\underline{4.75} \times 100$ | is between 300 and 500 | Actual value $\underline{475}$ |