

Name _____

Date _____



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

A) Work out these multiplications.

- | | | |
|------------------------------|------------------------------|-------------------------------|
| 1) $0.7 \times 10 =$ _____ | 2) $0.2 \times 100 =$ _____ | 3) $100 \times 0.8 =$ _____ |
| 4) $1.2 \times 100 =$ _____ | 5) $10 \times 1.5 =$ _____ | 6) $3.2 \times 100 =$ _____ |
| 7) $10 \times 7.6 =$ _____ | 8) $22 \times 100 =$ _____ | 9) $100 \times 6.1 =$ _____ |
| 10) $42 \times 100 =$ _____ | 11) $10 \times 3.4 =$ _____ | 12) $0.6 \times 100 =$ _____ |
| 13) $100 \times 7.3 =$ _____ | 14) $54 \times 10 =$ _____ | 15) $10 \times 1.2 =$ _____ |
| 16) $8.8 \times 100 =$ _____ | 17) $100 \times 0.4 =$ _____ | 18) $15.9 \times 10 =$ _____ |
| 19) $100 \times 1.4 =$ _____ | 20) $13.8 \times 10 =$ _____ | 21) $100 \times 18.6 =$ _____ |
| 22) $42.7 \times 10 =$ _____ | 23) $10 \times 25.9 =$ _____ | 24) $10.8 \times 100 =$ _____ |

B) Fill in the missing numbers

- | | | |
|-------------------------------|-------------------------------|-------------------------------|
| 1) $1.3 \times$ _____ $= 130$ | 2) _____ $\times 10 = 52$ | 3) $100 \times$ _____ $= 780$ |
| 4) _____ $\times 1.9 = 19$ | 5) $17.5 \times 10 =$ _____ | 6) _____ $\times 3.2 = 320$ |
| 7) $10 \times$ _____ $= 95$ | 8) _____ $\times 100 = 340$ | 9) $10 \times$ _____ $= 257$ |
| 10) _____ $\times 2.8 = 280$ | 11) $10 \times$ _____ $= 630$ | 12) _____ $\times 10 = 168$ |

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

83.2	4.7	13.9	36.2	78.2	27.5	5.4	1.9
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- | | | |
|-----------------------|----------------------------|--------------------|
| 1) _____ $\times 10$ | is between 100 and 150 | Actual value _____ |
| 2) $100 \times$ _____ | is between 400 and 500 | Actual value _____ |
| 3) $10 \times$ _____ | is between 50 and 60 | Actual value _____ |
| 4) _____ $\times 100$ | is between 6,000 and 8,000 | Actual value _____ |

Name

Date



MULTIPLYING DECIMALS BY 10 AND 100 SHEET 2A ANSWERS

A) Work out these multiplications.

- | | | |
|--|--|--|
| 1) $0.7 \times 10 = \underline{7}$ | 2) $0.2 \times 100 = \underline{20}$ | 3) $100 \times 0.8 = \underline{80}$ |
| 4) $1.2 \times 100 = \underline{120}$ | 5) $10 \times 1.5 = \underline{15}$ | 6) $3.2 \times 100 = \underline{320}$ |
| 7) $10 \times 7.6 = \underline{76}$ | 8) $22 \times 100 = \underline{2200}$ | 9) $100 \times 6.1 = \underline{610}$ |
| 10) $42 \times 100 = \underline{4200}$ | 11) $10 \times 3.4 = \underline{34}$ | 12) $0.6 \times 100 = \underline{60}$ |
| 13) $100 \times 7.3 = \underline{730}$ | 14) $54 \times 10 = \underline{540}$ | 15) $10 \times 1.2 = \underline{12}$ |
| 16) $8.8 \times 100 = \underline{880}$ | 17) $100 \times 0.4 = \underline{40}$ | 18) $15.9 \times 10 = \underline{159}$ |
| 19) $100 \times 1.4 = \underline{140}$ | 20) $13.8 \times 10 = \underline{138}$ | 21) $100 \times 18.6 = \underline{1860}$ |
| 22) $42.7 \times 10 = \underline{427}$ | 23) $10 \times 25.9 = \underline{259}$ | 24) $10.8 \times 100 = \underline{1080}$ |

B) Fill in the missing numbers

- | | | |
|--|---------------------------------------|--|
| 1) $1.3 \times \underline{100} = 130$ | 2) $\underline{5.2} \times 10 = 52$ | 3) $100 \times \underline{7.8} = 780$ |
| 4) $\underline{10} \times 1.9 = 19$ | 5) $17.5 \times 10 = \underline{175}$ | 6) $\underline{100} \times 3.2 = 320$ |
| 7) $10 \times \underline{9.5} = 95$ | 8) $\underline{3.4} \times 100 = 340$ | 9) $10 \times \underline{25.7} = 257$ |
| 10) $\underline{100} \times 2.8 = 280$ | 11) $10 \times \underline{63} = 630$ | 12) $\underline{16.8} \times 10 = 168$ |

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

83.2	4.7	13.9	36.2	78.2	27.5	5.4	1.9
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- | | | |
|----------------------------------|----------------------------|---------------------------------|
| 1) $\underline{13.9} \times 10$ | is between 100 and 150 | Actual value $\underline{139}$ |
| 2) $100 \times \underline{4.7}$ | is between 400 and 500 | Actual value $\underline{470}$ |
| 3) $10 \times \underline{5.4}$ | is between 50 and 60 | Actual value $\underline{54}$ |
| 4) $\underline{78.2} \times 100$ | Is between 6,000 and 8,000 | Actual value $\underline{7820}$ |