

Name _____

Date _____



MULTIPLYING DECIMALS BY 10 SHEET 1C (UP TO 3DP)

A) Work out these multiplications.

- | | | |
|-------------------------------|-------------------------------|-------------------------------|
| 1) $6.27 \times 10 =$ _____ | 2) $5.32 \times 10 =$ _____ | 3) $10 \times 0.512 =$ _____ |
| 4) $1.253 \times 10 =$ _____ | 5) $10 \times 0.951 =$ _____ | 6) $31.58 \times 10 =$ _____ |
| 7) $10 \times 21.63 =$ _____ | 8) $152.2 \times 10 =$ _____ | 9) $10 \times 3.621 =$ _____ |
| 10) $0.502 \times 10 =$ _____ | 11) $10 \times 122.9 =$ _____ | 12) $0.782 \times 10 =$ _____ |
| 13) $10 \times 17.32 =$ _____ | 14) $5.439 \times 10 =$ _____ | 15) $10 \times 3.527 =$ _____ |
| 16) $0.698 \times 10 =$ _____ | 17) $10 \times 164.7 =$ _____ | 18) $65.29 \times 10 =$ _____ |
| 19) $10 \times 7.028 =$ _____ | 20) $26.95 \times 10 =$ _____ | 21) $10 \times 578.4 =$ _____ |
| 22) $0.526 \times 10 =$ _____ | 23) $10 \times 5.097 =$ _____ | 24) $1.427 \times 10 =$ _____ |

B) Make each of these numbers ten 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) $5.37 \times$ _____ $= 53.7$ | 2) _____ $\times 10 = 12.8$ | 3) $10 \times$ _____ $= 1.65$ |
| 4) _____ $\times 1.29 = 12.9$ | 5) $135.7 \times 10 =$ _____ | 6) _____ $\times 10 = 74.3$ |
| 7) $10 \times$ _____ $= 3.67$ | 8) _____ $\times 10 = 15.8$ | 9) $10 \times$ _____ $= 124.6$ |
| 10) _____ $\times 1.28 = 12.8$ | 11) $10 \times$ _____ $= 7.32$ | 12) _____ $\times 10 = 19.3$ |
| 13) $10 \times$ _____ $= 3672$ | 14) _____ $\times 0.819 = 8.19$ | 15) $0.921 \times 10 =$ _____ |



MULTIPLYING DECIMALS BY 10 SHEET 1C ANSWERS

A) Work out these multiplications.

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|---|---|---|
| 1) $6.27 \times 10 = \underline{62.7}$ | 2) $5.32 \times 10 = \underline{53.2}$ | 3) $10 \times 0.512 = \underline{5.12}$ |
| 4) $1.253 \times 10 = \underline{12.53}$ | 5) $10 \times 0.951 = \underline{9.51}$ | 6) $31.58 \times 10 = \underline{315.8}$ |
| 7) $10 \times 21.63 = \underline{216.3}$ | 8) $152.2 \times 10 = \underline{1522}$ | 9) $10 \times 3.621 = \underline{36.21}$ |
| 10) $0.502 \times 10 = \underline{5.02}$ | 11) $10 \times 122.9 = \underline{1229}$ | 12) $0.782 \times 10 = \underline{7.82}$ |
| 13) $10 \times 17.32 = \underline{173.2}$ | 14) $5.439 \times 10 = \underline{54.39}$ | 15) $10 \times 3.527 = \underline{35.27}$ |
| 16) $0.698 \times 10 = \underline{6.98}$ | 17) $10 \times 164.7 = \underline{1647}$ | 18) $65.29 \times 10 = \underline{652.9}$ |
| 19) $10 \times 7.028 = \underline{70.28}$ | 20) $26.95 \times 10 = \underline{269.5}$ | 21) $10 \times 578.4 = \underline{5784}$ |
| 22) $0.526 \times 10 = \underline{5.26}$ | 23) $10 \times 5.097 = \underline{50.97}$ | 24) $1.427 \times 10 = \underline{14.27}$ |

B) Make each of these numbers ten times bigger.

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|---|--|--|
| 1) $51.7 \rightarrow \underline{517}$ | 2) $562.6 \rightarrow \underline{5626}$ | 3) $8.95 \rightarrow \underline{89.5}$ |
| 4) $730 \rightarrow \underline{7300}$ | 5) $162.9 \rightarrow \underline{1629}$ | 6) $5.025 \rightarrow \underline{50.25}$ |
| 7) $0.903 \rightarrow \underline{9.03}$ | 8) $2.639 \rightarrow \underline{26.39}$ | 9) $129.04 \rightarrow \underline{1290.4}$ |
| 10) $576 \rightarrow \underline{5760}$ | 11) $593.8 \rightarrow \underline{5938}$ | 12) $3.749 \rightarrow \underline{37.49}$ |

C) Fill in the missing numbers

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|--|--|--|
| 1) $5.37 \times \underline{10} = 53.7$ | 2) $\underline{1.28} \times 10 = 12.8$ | 3) $10 \times \underline{0.165} = 1.65$ |
| 4) $\underline{10} \times 1.29 = 12.9$ | 5) $135.7 \times 10 = \underline{1357}$ | 6) $\underline{7.43} \times 10 = 74.3$ |
| 7) $10 \times \underline{0.367} = 3.67$ | 8) $\underline{1.58} \times 10 = 15.8$ | 9) $10 \times \underline{12.46} = 124.6$ |
| 10) $\underline{10} \times 1.28 = 12.8$ | 11) $10 \times \underline{0.732} = 7.32$ | 12) $\underline{1.93} \times 10 = 19.3$ |
| 13) $10 \times \underline{367.2} = 3672$ | 14) $\underline{10} \times 0.819 = 8.19$ | 15) $0.921 \times 10 = \underline{9.21}$ |