

Name _____

Date _____



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

A) Multiply these numbers by 10.

- | | | |
|----------------------------|-----------------------------|-----------------------------|
| 1) $0.7 \times 10 =$ _____ | 2) $2.2 \times 10 =$ _____ | 3) $10 \times 16 =$ _____ |
| 4) $1.9 \times 10 =$ _____ | 5) $10 \times 13.5 =$ _____ | 6) $0.9 \times 10 =$ _____ |
| 7) $10 \times 28 =$ _____ | 8) $25.7 \times 10 =$ _____ | 9) $10 \times 46.8 =$ _____ |

B) Multiply these numbers by 100.

- | | | |
|-----------------------------|------------------------------|------------------------------|
| 1) $1.2 \times 100 =$ _____ | 2) $0.6 \times 100 =$ _____ | 3) $100 \times 1.8 =$ _____ |
| 4) $100 \times 2.5 =$ _____ | 5) $100 \times 3.2 =$ _____ | 6) $14.3 \times 100 =$ _____ |
| 7) $63 \times 100 =$ _____ | 8) $100 \times 37.2 =$ _____ | 9) $100 \times 28.1 =$ _____ |

C) 10 or 100 times bigger? Circle the correct amount.

- | | |
|--|--|
| 1) 54 is <u>10x</u> 100x bigger than 5.4 | 2) 670 is 10x 100x bigger than 6.7 |
| 3) 180 is 10x 100x bigger than 1.8 | 4) 124 is 10x 100x bigger than 12.4 |
| 5) 74 is 10x 100x bigger than 7.4 | 6) 90 is 10x 100x bigger than 0.9 |
| 7) 452 is 10x 100x bigger than 45.2 | 8) 1370 is 10x 100x bigger than 13.7 |

D) Multiply these numbers by 10 or 100.

- | | | |
|-----------------------------|-------------------------------|-------------------------------|
| 1) $2.5 \times 10 =$ _____ | 2) $100 \times 0.3 =$ _____ | 3) $1.8 \times 100 =$ _____ |
| 4) $10 \times 15.6 =$ _____ | 5) $32.2 \times 100 =$ _____ | 6) $10 \times 16.4 =$ _____ |
| 7) $4.5 \times 100 =$ _____ | 8) $10 \times 64.8 =$ _____ | 9) $0.7 \times 100 =$ _____ |
| 10) $10 \times 2.9 =$ _____ | 11) $18.3 \times 100 =$ _____ | 12) $32.5 \times 100 =$ _____ |



MULTIPLYING DECIMALS BY 10 AND 100 SHEET 1A ANSWERS

A) Multiply these numbers by 10.

$$1) \quad 0.7 \times 10 = \underline{7}$$

$$2) \quad 2.2 \times 10 = \underline{22}$$

$$3) \quad 10 \times 16 = \underline{160}$$

$$4) \quad 1.9 \times 10 = \underline{19}$$

$$5) \quad 10 \times 13.5 = \underline{135}$$

$$6) \quad 0.9 \times 10 = \underline{9}$$

$$7) \quad 10 \times 28 = \underline{280}$$

$$8) \quad 25.7 \times 10 = \underline{257}$$

$$9) \quad 10 \times 46.8 = \underline{468}$$

B) Multiply these numbers by 100.

$$1) \quad 1.2 \times 100 = \underline{120}$$

$$2) \quad 0.6 \times 100 = \underline{60}$$

$$3) \quad 100 \times 1.8 = \underline{180}$$

$$4) \quad 100 \times 2.5 = \underline{250}$$

$$5) \quad 100 \times 3.2 = \underline{320}$$

$$6) \quad 14.3 \times 100 = \underline{1430}$$

$$7) \quad 63 \times 100 = \underline{6300}$$

$$8) \quad 100 \times 37.2 = \underline{3720}$$

$$9) \quad 100 \times 28.1 = \underline{2810}$$

C) 10 or 100 times bigger? Circle the correct amount.

$$1) \quad 54 \text{ is } \textcircled{10x} \text{ } 100x \text{ bigger than } 5.4 \quad 2) \quad 670 \text{ is } 10x \text{ } \textcircled{100x} \text{ bigger than } 6.7$$

$$3) \quad 180 \text{ is } 10x \text{ } \textcircled{100x} \text{ bigger than } 1.8 \quad 4) \quad 124 \text{ is } \textcircled{10x} \text{ } 100x \text{ bigger than } 12.4$$

$$5) \quad 74 \text{ is } \textcircled{10x} \text{ } 100x \text{ bigger than } 7.4 \quad 6) \quad 90 \text{ is } 10x \text{ } \textcircled{100x} \text{ bigger than } 0.9$$

$$7) \quad 452 \text{ is } \textcircled{10x} \text{ } 100x \text{ bigger than } 45.2 \quad 8) \quad 1370 \text{ is } 10x \text{ } \textcircled{100x} \text{ bigger than } 13.7$$

D) Multiply these numbers by 10 or 100.

$$1) \quad 2.5 \times 10 = \underline{25}$$

$$2) \quad 100 \times 0.3 = \underline{30}$$

$$3) \quad 1.8 \times 100 = \underline{180}$$

$$4) \quad 10 \times 15.6 = \underline{156}$$

$$5) \quad 32.2 \times 100 = \underline{3220}$$

$$6) \quad 10 \times 16.4 = \underline{164}$$

$$7) \quad 4.5 \times 100 = \underline{450}$$

$$8) \quad 10 \times 64.8 = \underline{648}$$

$$9) \quad 0.7 \times 100 = \underline{70}$$

$$10) \quad 10 \times 2.9 = \underline{29}$$

$$11) \quad 18.3 \times 100 = \underline{1830}$$

$$12) \quad 32.5 \times 100 = \underline{3250}$$