

Name _____ Date _____ Period _____

Multiplying Decimals Guided Notes

Three ways to multiply decimals:

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Estimating

Useful when:

Example: 12.87×5.8

Step 1:

Step 2:

Examples:

a. 12.863×1.2

b. 25.9864×2.6

Name_____ Date_____ Period_____

Powers of 10

Useful when:

Example: 0.763×0.03

Step 1:

Step 2:

Step 3:

Examples:

a. 12.3×0.5

b. 0.76×1.6

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“The Trick”

Useful when:

Example: 5.9872×1.9

Step 1:

Step 2:

How it relates to Powers of 10:

Examples:

a. 12.8×0.07

b. 9.34×1.7

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Practice

a. 0.5×0.4

f. 0.08×0.92

b. 12.3×0.8

g. 12.873×0.0005

c. 193.452×4

h. 0.0015×1863

d. 53.23×0.03

i. 98.902×0.04

e. 0.87×0.0097

j. 72.45×9.364