

Math Practice Sheets

Multiplying and Dividing Decimals Part I

Student Name



Examples

Practice Questions

Extra Challenge Unit

**Unit
9.1****Multiplying Decimals by the Power of 10****Example**

If you multiply a decimal by 1, the decimal moves 0 place right; if by 10, 1 place right; if by 100, 2 places right and so on.

Multiply 0.93 by 100.

$$0.93 \times 100 = 0.93 = 93$$

So, $0.93 \times 100 = 93$

Similarly, $0.93 \times 10 = 9.3$

$$0.93 \times 1,000 = 0.930 = 930$$

Multiply 9.61 by 1,000.

$$9.61 \times 100 = 9.61 = 961$$

So, $9.61 \times 100 = 961$

Similarly, $9.61 \times 10 = 96.1$

$$9.61 \times 1,000 = 9.610 = 9,610$$

Exercise

1. Find the product of each of the following by using mental math.

a) 0.076×10

b) 7.2×10

c) 5.7×100

d) 0.423×100

e) 414.6×1

f) 1.78×100

g) 54.3×10

h) 6.87×100

i) 93.62×100

j) 11.11×10

k) 6.1×100

l) 9.9×10

m) 0.78×100

n) $47.2 \times 1,000$

o) $5.743 \times 1,000$

p) 52.3×10

q) $91.32 \times 1,000$

r) 123.78×100

s) $4.332 \times 1,000$

t) 0.873×1

u) $93.62 \times 1,000$

v) 11.11×10

w) 6.1×100

x) 89.98×100