

Exercise 10 (C)

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1. Multiply the following by 10, 100 and 1000.

a. $0.487 = (a) 0.487 \times 10 = 4.867$

(b) $0.487 \times 100 = 48.7$

(c) $0.487 \times 1000 = 487$

b. $0.5671 = (a) 0.5671 \times 10 = 5.671$

(b) $0.5671 \times 100 = 56.71$

(c) $0.5671 \times 1000 = 567.1$

c. $6.063 = (a) 6.063 \times 10 = 60.63$

(b) $6.063 \times 100 = 606.3$

(c) $6.063 \times 1000 = 6063$

d. $2.4861 = (a) 2.4861 \times 10 = 24.861$

(b) $2.4861 \times 100 = 248.61$

$$(a) 2.4861 \times 1000 = 2486.1$$

$$e. 51.835 = (a) 51.835 \times 10 = 518.35$$

$$(b) 51.835 \times 100 = 5183.5$$

$$(c) 51.835 \times 1000 = 51835$$

Exercise 10(D)

1. Find the product

$$\begin{array}{r}
 a. \quad 1.88 \\
 \times \quad 16 \\
 \hline
 1128 \\
 1880 \\
 \hline
 30.08
 \end{array}$$

$$\begin{array}{r}
 b. \quad 16.39 \\
 \times \quad 8 \\
 \hline
 130.56
 \end{array}$$

$$\begin{array}{r} c. \quad 41.08 \\ \times \quad 32 \\ \hline 8216 \\ 123240 \\ \hline 1314.56 \end{array}$$

$$\begin{array}{r} d. \quad 4.032 \\ \times \quad 85 \\ \hline 20160 \\ 322560 \\ \hline 342.720 \end{array}$$

$$\begin{array}{r} e. \quad 0.47 \\ \times 375 \\ \hline 235 \\ 3290 \\ \hline 14100 \\ \hline 176.25 \end{array}$$

$$\begin{array}{r} f. \quad 2.008 \\ \times 150 \\ \hline 0000 \\ 100400 \\ 200800 \\ \hline 301.200 \end{array}$$

2. Find the product

$$\begin{array}{r} a. \quad 18.4 \\ \times 0.12 \\ \hline 368 \\ 1840 \\ \hline 2.208 \end{array}$$

$$\begin{array}{r} b. \quad 0.3146 \\ \times 0.05 \\ \hline 6.01573 \end{array}$$

$$\begin{array}{r} c. \quad 1.32 \\ \times 0.0008 \\ \hline 0.001056 \end{array}$$

$$\begin{array}{r} d. \quad 0.004 \\ \times 0.064 \\ \hline 0.000256 \end{array}$$

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Exercise 10 (c)

1. Multiply the following decimal fractions by (a) 100; (b) 1000; (c) 10000

g. $0.0009 = (a) 0.0009 \times 10 = 00.009$

(b) $0.0009 \times 100 = 000.09$

(c) $0.0009 \times 1000 = 0000.9$

h. $15.002 = (a) 15.002 \times 10 = 150.02$

(b) $15.002 \times 100 = 1500.2$

(c) $15.002 \times 1000 = 15002$

2. Find the values of the following:

a. $0.4837 \times 1000 = 483.7$

b. $0.389 \times 10000 = 3890$

c. $123.8 \times 100 = 12380$

d. $3.208 \times 10 = 32.08$

e. $0.0007 \times 100 = 0.07$

f. $3.017 \times 10 = 30.17$

g. $1008.2 \times 100 = 100820$

h. $0.0309 \times 1000 = 30.9$

Exercise 10CD

1. Find the product:

$$\begin{array}{r}
 g. \quad 0.4262 \\
 \times \quad 11 \\
 \hline
 04262 \\
 042620 \\
 \hline
 4.6882
 \end{array}$$

h.

$$\begin{array}{r} 0.487 \\ \times 240 \\ \hline 19480 \\ 97400 \\ \hline 116.880 \end{array}$$

i.

$$\begin{array}{r} 50.05 \\ \times 50 \\ \hline 0000 \\ 250250 \\ \hline 2502.50 \end{array}$$

j.

$$\begin{array}{r} 100.01 \\ \times 200 \\ \hline 20002 \end{array}$$

2. Find the product.

e. $1.18 \times 0.46 \times 0.07$

$$\begin{array}{r}
 1.18 \\
 \times 0.46 \\
 \hline
 708 \\
 + 4720 \\
 \hline
 0.5428 \\
 \times 0.07 \\
 \hline
 0.037996
 \end{array}$$

f. $0.1 \times 1 \times 0.1$

$$\begin{array}{r}
 0.1 \\
 \times 0.1 \\
 \hline
 0.01 \\
 \times 1 \\
 \hline
 0.01
 \end{array}$$

g. $3.48 \times 16 \times 0.5$

$$\begin{array}{r}
 3.48 \\
 \times 0.5 \\
 \hline
 1.740 \\
 \times 16 \\
 \hline
 10440 \\
 + 17400 \\
 \hline
 27840
 \end{array}$$

h. $0.03 \times 0.03 \times 0.03$

$$\begin{array}{r} 0.03 \\ \times 0.03 \\ \hline 0.09 \\ 0.000 \\ + 0.0000 \\ \hline 0.0009 \\ \times 0.03 \\ \hline 00027 \\ 00000 \\ + 000000 \\ \hline 0.000027 \end{array}$$