

Exercise - 10 C

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

a. $0.487 = 4.87 \quad 48.7 \quad 487.$

b. $0.5671 = 5.671 \quad 56.71 \quad 567.1$

c. $6.063 = 60.63 \quad 606.3 \quad 6063.$

d. $2.4861 = 24.861 \quad 248.61 \quad 2486.1$

e. $51.836 = 518.36 \quad 5183.6 \quad 51836.$

f. $123.6 = 1236. \quad 12360. \quad 123600.$

g) $0.0009 = 0.009 \quad 0.09 \quad 0.9$

h) $15.002 = 15.02 \quad 15.2 \quad 152.$

2. Find the value 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) $0.0309 \times 10000 = 309$

Exercise 10 D

1. Find the product:

$$\begin{array}{r} \text{a)} \quad 1.88 \\ \times \quad 16 \\ \hline 3528 \\ 188 \\ \hline 54.08 \end{array}$$

$$\begin{array}{r} \text{b)} \quad 16.32 \\ \times \quad 8 \\ \hline 130.56 \end{array}$$

$$\begin{array}{r} \text{c)} \quad 41.08 \\ \times \quad 32 \\ \hline 3182.06 \end{array}$$

$$\text{d)} \quad 4.032$$

$$\times \quad 85$$

$$\hline 20160$$

$$322560$$

$$\hline 342720$$

~~$$\text{e)} \quad 0.47$$~~

~~$$\times \quad 375$$~~

~~0.~~

$$\text{e)} \quad 0.47$$

$$\times \quad 375$$

$$\hline 235$$

$$329$$

$$\hline 141$$

$$\hline 176.25$$

$$\text{f)} \quad 2.008$$

$$\times \quad 150$$

$$\hline 0000$$

$$20040$$

$$\hline 2008$$

$$\hline 301.200$$

$$\text{g)} \quad 0.4262$$

$$\times \quad 11$$

$$\hline 04262$$

$$042620$$

$$\hline 46882$$

$$\text{h)} \quad 0.487$$

$$\times \quad 240$$

$$\hline 0000$$

$$19480$$

$$\hline 97400$$

$$\hline 116.880$$

$$\text{i)} \quad 50.05$$

$$\times \quad 50$$

$$\hline 0000$$

$$250250$$

$$\hline 250250$$

$$\text{j)} \quad 100.01$$

$$\times \quad 200$$

$$\hline 00000$$

$$000000$$

$$\hline 20002$$

$$\hline 2000.20$$

2. Find the product

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

b.
$$\begin{array}{r} 0.3146 \\ \times 0.05 \\ \hline 0.01573 \end{array}$$

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

d. $0.004 \times 0.64 = 0.00256$

e.
$$\begin{array}{r} 1.18 \\ \times 0.46 \\ \hline 0.0708 \\ \times 0.07 \\ \hline 0.4956 \end{array}$$

f. $0.1 \times 1 \times 0.1 = 0.1$

h.
$$\begin{array}{r} 0.03 \\ \times 0.03 \\ \hline 0.0009 \end{array}$$

$$\begin{array}{r} 0.0009 \\ \times 0.03 \\ \hline 0.00027 \end{array}$$

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g.
$$\begin{array}{r} 3.48 \\ \times 16 \\ \hline 2088 \\ 348 \\ \hline 55.68 \end{array}$$

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3. If $324 \times 12 = 3888$, then find the product of each of the following without actually doing the multiplication:

a) $3.24 \times 12 = 38.88$

b) $32.4 \times 12 = 388.8$

c) $0.324 \times 12 = 3.888$

d. $0.00324 \times 12 = 0.03888$

4. If $614.6 \times 9 = 5531.4$ then find product of each of the following without actually doing the multiplication.

a) $61.46 \times 9 = 553.14$

b) $0.6146 \times 9 = 5.5314$

c) $6146 \times 9 = 55314$

d) $6.146 \times 9 = 55.314$

e) $0.06146 \times 9 = 0.55314$

5. If $2.48 \times 6 = 14.88$ then find out the product without actually doing the multiplication

a) $60 \times 2.48 = 148.8$

b) $600 \times 2.48 = 1488$

c) $0.6 \times 2.48 = 1.488$

d) $0.06 \times 2.48 = 0.1488$

e) $6000 \times 2.48 = 14880$

6. If $56.2 \times 7 = 393.4$ then find the product of each of the following without.

a. $0.562 \times 7 = 393.4$

$$b. \quad 562 \times 7 = 3934$$

$$c. \quad 0.0562 \times 7 = 0.3934$$

$$(d) \quad 5.62 \times 7 = 39.34$$