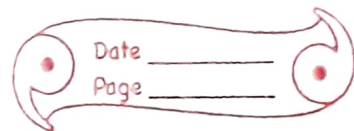


Exercise 10 [C]



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

a. $0.487 = 0.487 \times 10 = 4.87$

$$0.487 \times 100 = 48.7$$

$$0.487 \times 1000 = 487$$

b. $0.5671 = 0.5671 \times 10 = 5.671$

$$0.5671 \times 100 = 56.71$$

$$0.5671 \times 1000 = 567.1$$

c. $6.063 = 6.063 \times 10 = 60.63$

$$6.063 \times 100 = 606.3$$

$$6.063 \times 1000 = 6063$$

d. $2.4861 = 2.4861 \times 10 = 24.861$

$$2.4861 \times 100 = 248.61$$

$$2.4861 \times 1000 = 2486.1$$

e. $57.835 = 57.835 \times 10 = 578.35$

$$57.835 \times 100 = 5783.5$$

$$57.835 \times 1000 = 57835$$

~~Exer~~
Exercise 10 [07]

1. Find the product

a. 1.68

$$\begin{array}{r} \times \quad 16 \\ 1128 \\ 1890 \\ \hline 30.08 \end{array}$$

b. 16.32

$$\begin{array}{r} \times \quad 8 \\ 130.56 \end{array}$$

c. 41.08

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

d. 4.032

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

2. Find the product

a. ~~0.3746~~ 14.4

$$\begin{array}{r} \times \quad 0.017 \\ 368 \\ 1840 \\ \hline 2.208 \end{array}$$

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

$$\begin{array}{r} c. \quad 1.22 \\ \quad \times \quad .0008 \\ \hline 0.001056 \end{array}$$

$$\begin{array}{r} d. \quad 0.004 \\ \quad \times \quad 1.064 \\ \hline 0.000256 \end{array}$$

$$\begin{array}{r} e. \quad 0.47 \\ \quad \times \quad 375 \\ \hline 235 \\ \quad 3240 \\ \hline 14100 \\ \hline 176.25 \end{array}$$

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

2. Find the product

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

$$\begin{array}{r}
 b. \quad 0.3746 \\
 \quad 0.05 \\
 \hline
 0.01873
 \end{array}$$

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

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

$$e. \quad 1.18 \times 0.46 \times 0.7$$

$$\begin{array}{r}
 \text{Ans-} \quad 1.18 \\
 \times 0.46 \\
 \hline
 \quad 708 \\
 4702 \\
 \hline
 0.5428
 \end{array}$$

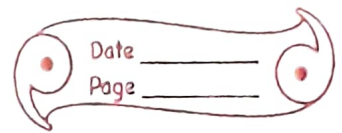
$$\begin{array}{r}
 \quad 0.5428 \\
 \times 0.7 \\
 \hline
 0.37996
 \end{array}$$

3. Find the product without performing multiplication

$$a) \quad 3.24 \times 12 = 38.88 \quad b) \quad 32.4 \times 12 = 388.8$$

$$c) \quad 0.324 \times 12 = 3.888 \quad d) \quad 0.00324 \times 12 = 0.03888$$

Exercise 20 [C]



1. b) $123.6 = 123.6 \times 10 = 1236$

$$123.6 \times 100 = 12360$$

$$123.6 \times 1000 = 123600$$

g) $0.0009 = 0.0009 \times 10 = 0.009$

$$0.0009 \times 100 = 0.09$$

$$0.0009 \times 1000 = 0.9$$

h) $15.002 = 15.002 \times 10 = 150.02$

$$15.002 \times 100 = 1500.2$$

$$15.002 \times 1000 = 15002$$

2. 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) $1008.2 \times 100 = 100820$

b) $0.0309 \times 1000 = 30.9$

4. Given, $614.6 \times 9 = 5531.4$

a) $61.46 \times 9 = 553.14$

b) $0.6146 \times 9 = 5.5314$

c) ~~614~~ $6146 \times 9 = 55314$

d) $6.146 \times 9 = 55.314$

e) $0.06146 \times 9 = 0.55314$

5. Given, $2.48 \times 6 = 14.88$

a) ~~6~~ $2.48 \times 60 = 148.80 = 148.8$

b) $2.48 \times 600 = 1488.00 = 1488$

c) $2.48 \times 0.6 = 1.488$

d) ~~0.00~~ $2.48 \times 0.06 = 0.1488$

e) ~~6000~~ $2.48 \times 6000 = 14880.00 = 14880$

6. Given $56.2 \times 7 = 393.4$

a) $0.562 \times 7 = 3.934$

b) $562 \times 7 = 3934$

c) $0.0562 \times 7 = 0.3934$

d) $5.62 \times 7 = 39.34$

Ques

Exercise 20 [E]

1. Divide the following by 10, 100, 1000

	by 10	by 100	by 1000
a. 12 =	1.2	0.12	0.012

b. 75 =	7.5	0.75	0.075
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c. 1767 =	176.7	17.67	1.767
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d. 89.76 =	8.976	0.8976	0.08976
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e. 201.2 =	20.12	2.012	0.2012
------------	-------	-------	--------

f. 0.89 =	0.089	0.0089	0.00089
-----------	-------	--------	---------

g. 0.08 =	0.008	0.0008	0.00008
-----------	-------	--------	---------

h. 0.0076 =	0.00076	0.000076	0.0000076
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2. Write down the values.

$$\begin{aligned}
 \text{a. } 64.83 \div 100 &= \frac{6483}{100} \cdot \frac{1}{100} = \frac{6483}{100} \times \frac{1}{100} \\
 &= \frac{6483}{10000} = 0.6483
 \end{aligned}$$

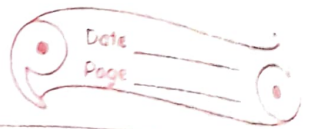
$$b. \quad 328 \div 1000 = \frac{328}{1000} = 0.328$$

$$c. \quad 17.48 \div 10 = \frac{1748}{100} \div 10 = \frac{1748}{100} \times \frac{1}{10}$$
$$= \frac{1748}{1000} = 1.748$$

$$d. \quad 217.4 \div 100 = \frac{2174}{10} \div 100 = \frac{2174}{10} \times \frac{1}{100}$$
$$= \frac{2174}{1000} = 2.174$$

HW

Exercise 20[E]



2. e) $4649 \div 1000$

Ans-
$$= \frac{4649}{1000} = 4.649$$

b) $547.9 \div 1000$

Ans-
$$\frac{5479}{10} \times \frac{1}{1000}$$

$$= \frac{5479}{10000} = 0.5479$$

g) $3.6 \div 10000$

Ans-
$$\frac{36}{10} \times \frac{1}{10000}$$

$$= \frac{36}{100000} = 0.00036$$

h) ~~476~~ $47.6 \div 10000$

Ans- $\frac{476}{26} \times \frac{1}{10000}$

$= \frac{476}{100000} = 0.00476$