

Ex-29

1. (a) 0.1×0.1

$$\begin{array}{r}
 0.1 \\
 \times 0.1 \\
 \hline
 01 \\
 + 00 \times \\
 \hline
 0.01
 \end{array}$$

(b) 0.1×0.2

$$\begin{array}{r}
 0.1 \\
 \times 0.2 \\
 \hline
 02 \\
 + 00 \times \\
 \hline
 0.02
 \end{array}$$

(c) 0.5×10.5

$$\begin{array}{r}
 0.5 \\
 \times 10.5 \\
 \hline
 25 \\
 00 \times \\
 + 05 \times \\
 \hline
 05.25
 \end{array}$$

(d) 1.3×0.4

$$\begin{array}{r}
 1.3 \\
 \times 0.4 \\
 \hline
 52 \\
 + 00 \times \\
 \hline
 0.52
 \end{array}$$

(e) 0.01×0.6

$$\begin{array}{r}
 0.01 \\
 \times 0.6 \\
 \hline
 006 \\
 + 000 \times \\
 \hline
 0.006
 \end{array}$$

(f) 3.3×3.3

$$\begin{array}{r}
 3.3 \\
 \times 3.3 \\
 \hline
 99 \\
 + 99 \times \\
 \hline
 10.89
 \end{array}$$

(g) 5.1×6.2

$$\begin{array}{r}
 5.1 \\
 \times 6.2 \\
 \hline
 102 \\
 + 306 \times \\
 \hline
 31.62
 \end{array}$$

(h) 7.5×5.7

$$\begin{array}{r}
 7.5 \\
 \times 5.7 \\
 \hline
 525 \\
 + 375 \times \\
 \hline
 42.75
 \end{array}$$

2. (a) 0.235 by 0.48

$$\begin{array}{r}
 0.235 \\
 \times 0.48 \\
 \hline
 1880 \\
 0940 \times \\
 + 0000 \times \\
 \hline
 0.11280
 \end{array}$$

(b) 0.427 by 0.235

$$\begin{array}{r}
 0.427 \\
 \times 0.235 \\
 \hline
 2135 \\
 1281 \times \\
 0854 \times \\
 + 0000 \times \\
 \hline
 0.100345
 \end{array}$$

(c) 2.4327 by 4.23

$$\begin{array}{r}
 2.4327 \\
 \times 4.23 \\
 \hline
 72981 \\
 48654 \times \\
 + 97308 \times \\
 \hline
 10.2903.21
 \end{array}$$

(d) 1.0003 by 0.53

$$\begin{array}{r}
 1.0003 \\
 \times 0.53 \\
 \hline
 30009 \\
 50015 \times \\
 + 00000 \times \\
 \hline
 0.530159
 \end{array}$$

2.(e) 0.009 by 2.12

$$\begin{array}{r} 0.009 \\ \times 2.12 \\ \hline 0018 \\ 0009 \times \\ + 0018 \times \\ \hline 0.01908 \end{array}$$

(f) 3.00704 by 4.0205

$$\begin{array}{r} 3.00704 \\ \times 4.0205 \\ \hline 1503520 \\ 000000 \times \\ 601408 \times \\ 000000 \times \\ + 1202816 \times \\ \hline 12.089804320 \end{array}$$

3. (a) ~~$23.45 \times 1 = 23.45$~~ (b) "

3. (a) $0.5 \times 9 = 9 \times \underline{0.5}$ (b) $12 \times 11.52 = \underline{11.52} \times 12$

(c) $3.6 \times 1.3 = 1.3 \times \underline{3.6}$ (d) $1.8 \times (5.3 \times 0.6) = (1.8 \times 5.3) \times \underline{0.6}$

(e) $(4 \times 5.7) \times 2.5 = \underline{4} \times (5.7 \times 2.5)$

4. (a) $23.45 \times 1 = \underline{23.45}$ (b) $1 \times 5.4 = \underline{5.4}$

~~(c) $3.6 \times 1 = 3.6$~~ (c) $732.001 \times 1 = \underline{732.001}$

(d) $0 \times 4.72 = \underline{0}$ (e) $51.8 \times 0 = \underline{0}$ (f) $0 = 12.352 \times \underline{0}$

5. (a) $10.1 \times 0.1 \times 0.1 = \underline{0.101}$ (b) $0.2 \times 0.2 \times 0.2 = \underline{0.008}$

$$\begin{array}{r} 10.1 \\ \times 0.1 \\ \hline 101 \\ + 000 \times \\ \hline 0.101 \end{array} \quad \begin{array}{r} 1.01 \\ \times 0.1 \\ \hline 101 \\ + 000 \times \\ \hline 0.101 \end{array}$$

$$\begin{array}{r} 0.2 \\ \times 0.2 \\ \hline 04 \\ + 00 \times \\ \hline 0.04 \end{array} \quad \begin{array}{r} 0.04 \\ \times 0.2 \\ \hline 008 \\ + 000 \times \\ \hline 0.008 \end{array}$$

(c) $0.4 \times 7.6 \times 0.55 = \underline{1.6720}$

(d) $0.407 \times 4.36 \times 0.06 = \underline{0.1064712}$

$$\begin{array}{r} 0.4 \\ \times 7.6 \\ \hline 24 \\ + 28 \times \\ \hline 3.04 \end{array} \quad \begin{array}{r} 3.04 \\ \times 0.55 \\ \hline 1520 \\ 1520 \times \\ + 000 \times \\ \hline 1.6720 \end{array}$$

$$\begin{array}{r} 0.407 \\ \times 4.36 \\ \hline 2442 \\ 1221 \times \\ + 1628 \times \\ \hline 1.77452 \end{array} \quad \begin{array}{r} 1.77452 \\ \times 0.06 \\ \hline 1064712 \\ 000000 \times \\ + 000000 \times \\ \hline 0.1064712 \end{array}$$

5. (e) $1.01 \times 4.1 \times 0.001 = \underline{0.004141}$

$$\begin{array}{r} 1.01 \\ \times 4.1 \\ \hline 101 \\ +404 \times \\ \hline 4.141 \end{array}$$

$$\begin{array}{r} 4.141 \\ \times 0.001 \\ \hline 4141 \\ 0000 \times \\ 0000 \times \\ +0000 \times \\ \hline 0.004141 \end{array}$$

(f) $0.52 \times 0.07 \times 4.3 \times 0.02 = \underline{0.0031304}$

$$\begin{array}{r} 0.52 \\ \times 0.07 \\ \hline 364 \\ 000 \times \\ +000 \times \\ \hline 0.0364 \end{array}$$

$$\begin{array}{r} 0.0364 \\ \times 4.3 \\ \hline 01092 \\ +01456 \times \\ \hline 0.15652 \end{array}$$

$$\begin{array}{r} 0.15652 \\ \times 0.02 \\ \hline 031304 \\ 000000 \times \\ +000000 \times \\ \hline 0.0031304 \end{array}$$