

LONG MULTIPLICATION

A A PATTERN WITH TENS

A.1 MULTIPLYING BY MULTIPLES OF 10

Ex 1:

$$3 \times 50 = \boxed{}$$

Ex 2:

$$4 \times 20 = \boxed{}$$

Ex 3:

$$2 \times 70 = \boxed{}$$

Ex 4:

$$3 \times 60 = \boxed{}$$

Ex 5:

$$5 \times 40 = \boxed{}$$

Ex 6:

$$6 \times 50 = \boxed{}$$

Ex 7:

$$4 \times 90 = \boxed{}$$

A.2 MULTIPLYING BY MULTIPLES OF 10

Ex 8:

$$30 \times 5 = \boxed{}$$

Ex 9:

$$40 \times 6 = \boxed{}$$

Ex 10:

$$50 \times 7 = \boxed{}$$

Ex 11:

$$20 \times 8 = \boxed{}$$

Ex 12:

$$60 \times 4 = \boxed{}$$

Ex 13:

$$70 \times 3 = \boxed{}$$

Ex 14:

$$90 \times 2 = \boxed{}$$

A.3 MULTIPLYING BY MULTIPLES OF 100

Ex 15:

$$900 \times 2 = \boxed{}$$

Ex 16:

$$700 \times 3 = \boxed{}$$

Ex 17:

$$400 \times 5 = \boxed{}$$

Ex 18:

$$600 \times 4 = \boxed{}$$

Ex 19:

$$800 \times 6 = \boxed{}$$

Ex 20:

$$500 \times 7 = \boxed{}$$

A.4 MULTIPLYING BY TENS

Ex 21: We know that $25 \times 3 = 75$.

$$25 \times 30 = \boxed{}$$

Ex 22: We know that $12 \times 4 = 48$.

$$12 \times 40 = \boxed{}$$

Ex 23: We know that $31 \times 2 = 62$.

$$31 \times 20 = \boxed{}$$

Ex 24: We know that $15 \times 6 = 90$.

$$15 \times 60 = \boxed{}$$

B LONG MULTIPLICATION BY ONE-DIGIT NUMBERS

B.1 MULTIPLYING 2 DIGIT NUMBERS TIMES 1 DIGIT NUMBERS

Ex 25: Set up a column multiplication to calculate:

$$15 \times 6 = \boxed{}$$

Ex 26: Set up a column multiplication to calculate:

$$35 \times 4 = \boxed{}$$

Ex 27: Set up a column multiplication to calculate:

$$63 \times 5 = \boxed{}$$

Ex 28: Set up a column multiplication to calculate:

$$74 \times 7 = \boxed{}$$

Ex 29: Set up a column multiplication to calculate:

$$87 \times 9 = \boxed{}$$

B.2 MULTIPLYING 3 DIGIT NUMBERS TIMES 1 DIGIT NUMBERS

Ex 30: Set up a column multiplication to calculate:

$$765 \times 2 = \boxed{}$$

Ex 31: Set up a column multiplication to calculate:

$$453 \times 4 = \boxed{}$$

Ex 32: Set up a column multiplication to calculate:

$$652 \times 5 = \boxed{}$$

Ex 33: Set up a column multiplication to calculate:

$$341 \times 9 = \boxed{}$$

C LONG MULTIPLICATION BY MULTI-DIGIT NUMBERS

C.1 MULTIPLYING 2 DIGIT NUMBERS TIMES 2 DIGIT NUMBERS

Ex 34:

$$\begin{array}{r} 37 \\ \times 12 \\ \hline \end{array}$$

$$37 \times 12 = \boxed{}$$

Ex 35:

$$\begin{array}{r} 45 \\ \times 56 \\ \hline \end{array}$$

$$45 \times 56 = \boxed{}$$

Ex 36:

$$\begin{array}{r} 35 \\ \times 29 \\ \hline \end{array}$$

$$35 \times 29 = \boxed{}$$

Ex 37:

$$\begin{array}{r} 99 \\ \times 99 \\ \hline \end{array}$$

$$99 \times 99 = \boxed{}$$

C.2 MULTIPLYING 3 DIGIT NUMBERS TIMES 2 DIGIT NUMBERS

Ex 38:

$$\begin{array}{r} 274 \\ \times 12 \\ \hline \end{array}$$

$$274 \times 12 = \boxed{}$$

Ex 39:

$$\begin{array}{r} 456 \\ \times 41 \\ \hline \end{array}$$

$$456 \times 41 = \boxed{}$$

Ex 40:

$$\begin{array}{r} 340 \\ \times 91 \\ \hline \end{array}$$

$$340 \times 91 = \boxed{}$$

Ex 41:

$$\begin{array}{r} 921 \\ \times 75 \\ \hline \end{array}$$

$$921 \times 75 = \boxed{}$$