MULTIPLICATION WITH ONE-DIGIT MULTIPLIER

(WITHOUT AND WITH REGROUPING)

MULTIPLICATION WITHOUT REGROUPING

Find the product:

41 X 4 = N

Step 1: Write it in column.

$$\begin{array}{r} 41 \\ \times\ 4 \\ \hline \end{array}$$

Step 2:

Multiply the multiplier to the number in the ones place of multiplicand.

$$\begin{array}{r} 4\ 1 \\ \times\quad 2 \\ \hline 2 \end{array}$$

Step 3:

Multiply the multiplier to the number in the tens place of multiplicand.

$$\begin{array}{r} 4\ 1 \\ \times\quad 2 \\ \hline 8\ 2 \end{array}$$

MULTIPLICATION WITH REGROUPING

Find the product:

46 X 7 = N

Step 1: Write it in column.

$$\begin{array}{r} 46 \\ \times\ 7 \\ \hline \end{array}$$

Step 2:

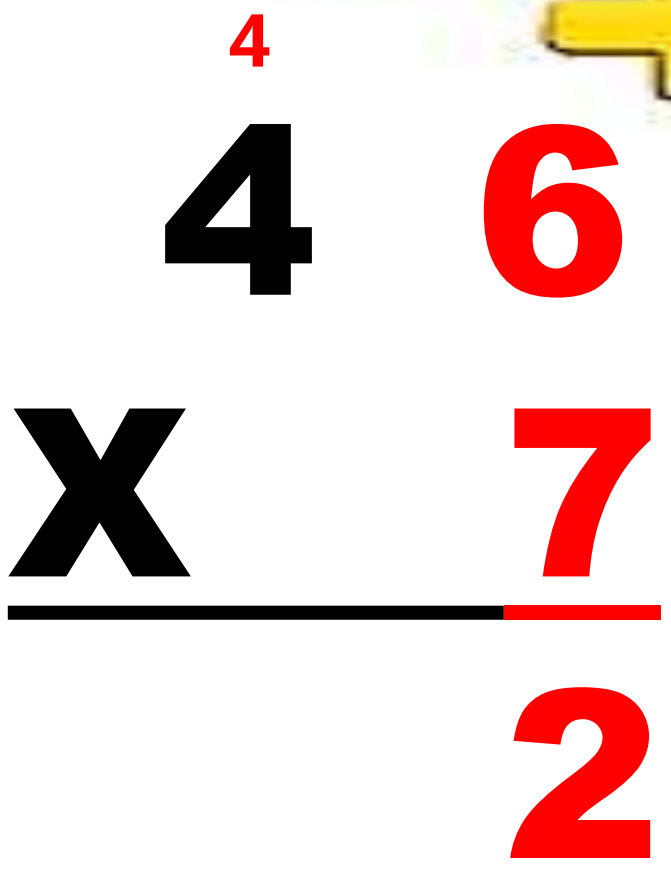
Multiply the multiplier to the number in the ones place of multiplicand.

$$\begin{array}{r} 4\ 6 \\ \times\ \ 7 \\ \hline \end{array}$$

7 x 6 = 42

Step 3:

Regroup 42, as 4 tens and 2 ones. Write down the ones. Carry the tens.



Step 4: Multiply the multiplier to the number in the tens place of multiplicand. Add in the four (4) ten you carried over.

$$\begin{array}{r} {\scriptstyle 4} \\ 46 \\ \times\ \ 7 \\ \hline 322 \end{array}$$

$7 \times 4 = 28 + 4$

$= 32$

Find the product:

476 X 9 = N

Step 1: Write it in column.

$$\begin{array}{r} 476 \\ \times \quad 9 \\ \hline \end{array}$$

Step 2:

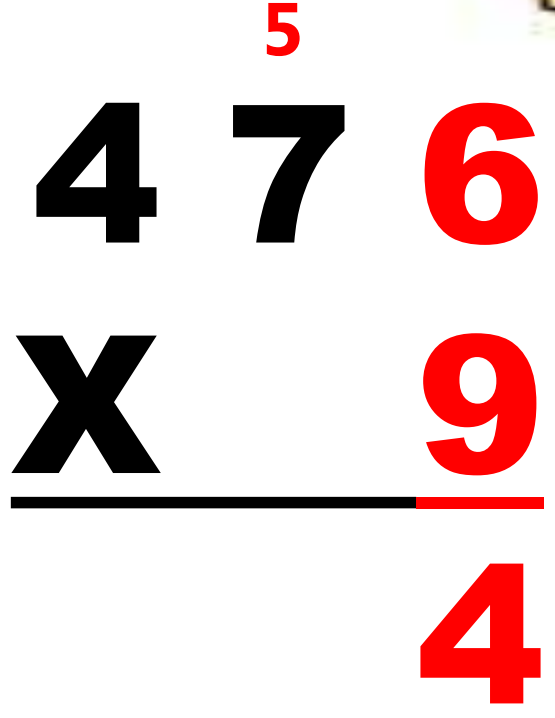
Multiply the multiplier to the number in the ones place of multiplicand.

$$\begin{array}{r} 476 \\ \times \quad 9 \\ \hline \end{array}$$

9 x 6 = 54

Step 3:

Regroup 54, as 5 tens and 4 ones. Write down the ones. Carry the tens.



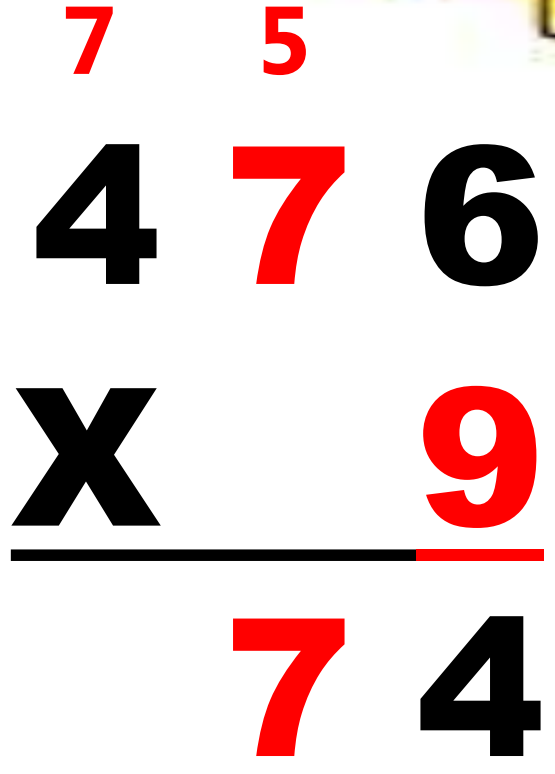
Step 4: Multiply the multiplier to the number in the tens place of multiplicand. Add in the five (5) ten you carried over.

$$\begin{array}{r} {\scriptstyle 5} \\ 476 \\ \times\ \ 9 \\ \hline 4 \end{array}$$

$7 \times 9 = 72 + 5$

$= 77$

Step 5: Regroup 77, as 7 hundreds and 7 tens. Write down the ones. Carry the tens.



Step 6: Multiply the multiplier to the number in the hundreds place of multiplicand. Add in the seven (7) hundreds you carried over.

7 5

4 7 6

X 9

4 2 7 4

9 x 4 = 36 + 7

= 42

Direction: Multiply the following.

1. 123 x3 =
2. 234 x 2 =
3. 987 x 7 =
4. 456 x 3 =
5. 876 x 6 =