

## Mental Math Level 5

### WorkSheet#8 | Multiplication: Front End Multiplication (Distributive Principle)

Multiply the following.

$$\begin{array}{r} 1) \quad 962 \\ \quad \quad 6 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 2) \quad 502 \\ \quad \quad 8 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 3) \quad 351 \\ \quad \quad 6 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 4) \quad 932 \\ \quad \quad 3 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 5) \quad 869 \\ \quad \quad 8 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 6) \quad 628 \\ \quad \quad 3 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 7) \quad 103 \\ \quad \quad 2 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 8) \quad 810 \\ \quad \quad 9 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 9) \quad 541 \\ \quad \quad 3 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 10) \quad 605 \\ \quad \quad 6 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 11) \quad 365 \\ \quad \quad 9 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 12) \quad 784 \\ \quad \quad 6 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 13) \quad 915 \\ \quad \quad 4 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 14) \quad 933 \\ \quad \quad 1 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 15) \quad 943 \\ \quad \quad 3 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 16) \quad 684 \\ \quad \quad 3 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 17) \quad 979 \\ \quad \quad 3 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 18) \quad 313 \\ \quad \quad 9 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 19) \quad 835 \\ \quad \quad 5 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 20) \quad 229 \\ \quad \quad 5 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 21) \quad 753 \\ \quad \quad 1 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 22) \quad 544 \\ \quad \quad 1 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 23) \quad 681 \\ \quad \quad 1 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 24) \quad 826 \\ \quad \quad 1 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 25) \quad 634 \\ \quad \quad 1 \\ \hline \hline \end{array}$$

Hint: Involves finding the product of the single-digit factor and the digit in the highest place value of the second factor, and adding to this product a second sub-product. Eg.  $706 \times 2 = (700 \times 2) + (6 \times 2) = 1412$