

## Mental Math Level 5

### WorkSheet#10| Multiplication: Front End Multiplication (Distributive Principle)

Multiply the following.

$$\begin{array}{r} 1) \quad 570 \\ \quad \quad 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 535 \\ \quad \quad 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 331 \\ \quad \quad 9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 531 \\ \quad \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 617 \\ \quad \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 804 \\ \quad \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 341 \\ \quad \quad 9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 335 \\ \quad \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 332 \\ \quad \quad 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 903 \\ \quad \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 998 \\ \quad \quad 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 227 \\ \quad \quad 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 944 \\ \quad \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 471 \\ \quad \quad 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 506 \\ \quad \quad 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 381 \\ \quad \quad 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 721 \\ \quad \quad 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 239 \\ \quad \quad 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 409 \\ \quad \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 416 \\ \quad \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 21) \quad 877 \\ \quad \quad 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 22) \quad 719 \\ \quad \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 23) \quad 518 \\ \quad \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 24) \quad 907 \\ \quad \quad 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 25) \quad 619 \\ \quad \quad 8 \\ \hline \\ \hline \end{array}$$

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.  $706 \times 2 = (700 \times 2) + (6 \times 2) = 1412$