

Mental Math Level 5

WorkSheet#16 | Multiplication: Front End Multiplication (Distributive Principle)

Multiply the following.

$$\begin{array}{r} 1) \quad 949 \\ \quad \quad 9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 510 \\ \quad \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 757 \\ \quad \quad 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 698 \\ \quad \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 827 \\ \quad \quad 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 454 \\ \quad \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 498 \\ \quad \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 699 \\ \quad \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 487 \\ \quad \quad 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 480 \\ \quad \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 683 \\ \quad \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 996 \\ \quad \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 767 \\ \quad \quad 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 508 \\ \quad \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 308 \\ \quad \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 118 \\ \quad \quad 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 187 \\ \quad \quad 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 675 \\ \quad \quad 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 943 \\ \quad \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 102 \\ \quad \quad 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 21) \quad 949 \\ \quad \quad 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 22) \quad 404 \\ \quad \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 23) \quad 615 \\ \quad \quad 9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 24) \quad 454 \\ \quad \quad 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 25) \quad 546 \\ \quad \quad 4 \\ \hline \\ \hline \end{array}$$

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