



兩位數乘兩位數、三位數 (二)

Multiplication of 2-Digit Numbers with 2 or 3-Digit Numbers (II)

計算：

Calculating：

① $44 \times 22 = 968$

$$\begin{array}{r} 44 \\ \times 22 \\ \hline 880 \\ 88 \\ \hline 968 \end{array}$$

② $11 \times 82 = 902$

$$\begin{array}{r} 11 \\ \times 82 \\ \hline 880 \\ 22 \\ \hline 902 \end{array}$$

③ $55 \times 14 = 770$

$$\begin{array}{r} 55 \\ \times 14 \\ \hline 550 \\ 220 \\ \hline 770 \end{array}$$

④ $26 \times 39 = 1014$

$$\begin{array}{r} 26 \\ \times 39 \\ \hline 780 \\ 234 \\ \hline 1014 \end{array}$$

⑤ $273 \times 30 = 8190$

$$\begin{array}{r} 273 \\ \times 30 \\ \hline 8190 \end{array}$$

⑥ $25 \times 36 = 900$

$$\begin{array}{r} 25 \\ \times 36 \\ \hline 750 \\ 150 \\ \hline 900 \end{array}$$

⑦ $29 \times 40 = 1160$

$$\begin{array}{r} 29 \\ \times 40 \\ \hline 1160 \end{array}$$

⑧ $63 \times 12 = 756$

$$\begin{array}{r} 63 \\ \times 12 \\ \hline 630 \\ 126 \\ \hline 756 \end{array}$$

⑨ $104 \times 33 = 3432$

$$\begin{array}{r} 104 \\ \times 33 \\ \hline 3120 \\ 312 \\ \hline 3432 \end{array}$$

⑩ $107 \times 18 = 1926$

$$\begin{array}{r} 107 \\ \times 18 \\ \hline 1070 \\ 856 \\ \hline 1926 \end{array}$$

⑪ $121 \times 23 = 2783$

$$\begin{array}{r} 121 \\ \times 23 \\ \hline 2420 \\ 363 \\ \hline 2783 \end{array}$$

⑫ $404 \times 25 = 10100$

$$\begin{array}{r} 404 \\ \times 25 \\ \hline 8080 \\ 2020 \\ \hline 10100 \end{array}$$

計算：

Calculating：

$$\text{e.g. : } 37 \times 70 + 37 \times 30 = 37 \times (70 + 30)$$

$$\text{e.g. : } 37 \times 70 - 37 \times 30 = 37 \times (70 - 30)$$

乘法分配性質

Distributive Property of Multiplication

$$\begin{aligned} \textcircled{1} \quad & 87 \times 60 + 87 \times 40 \\ & = 87 \times (60 + 40) \\ & = 87 \times 100 \\ & = 8700 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 29 \times 10 + 29 \times 90 \\ & = 29 \times (10 + 90) \\ & = 29 \times 100 \\ & = 2900 \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & 20 \times 55 + 20 \times 45 \\ & = 20 \times (55 + 45) \\ & = 20 \times 100 \\ & = 2000 \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & 25 \times 74 - 25 \times 34 \\ & = 25 \times (74 - 34) \\ & = 25 \times 40 \\ & = 1000 \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & 27 \times 125 - 19 \times 125 \\ & = (27 - 19) \times 125 \\ & = 8 \times 125 \\ & = 1000 \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & 66 \times 44 - 44 \times 56 \\ & = (66 - 56) \times 44 \\ & = 10 \times 44 \\ & = 440 \end{aligned}$$

乘法結合及交換性質

Associative and Commutative Properties of Multiplication

$$\begin{aligned} \textcircled{1} \quad & \overbrace{20 \times 49} \times 5 \\ & = 20 \times 5 \times 49 \\ & = 100 \times 49 \\ & = 4900 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 4 \times 31 \times 25 \\ & = 4 \times 25 \times 31 \\ & = 100 \times 31 \\ & = 3100 \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & 125 \times 57 \times 8 \\ & = 125 \times 8 \times 57 \\ & = 1000 \times 57 \\ & = 57000 \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & 50 \times 65 \times 20 \\ & = 50 \times 20 \times 65 \\ & = 1000 \times 65 \\ & = 65000 \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & 8 \times 72 \times 125 \\ & = 8 \times 125 \times 72 \\ & = 1000 \times 72 \\ & = 72000 \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & 25 \times 46 \times 4 \\ & = 25 \times 4 \times 46 \\ & = 100 \times 46 \\ & = 4600 \end{aligned}$$