



兩位數乘兩位數、三位數

Multiplication of 2-Digit Numbers with 2 or 3-Digit Numbers

計算：
Calculating：

① $34 \times 11 = 374$

$$\begin{array}{r} 34 \\ \times 11 \\ \hline 340 \\ 34 \\ \hline 374 \end{array}$$

② $22 \times 31 = 682$

$$\begin{array}{r} 22 \\ \times 31 \\ \hline 660 \\ 22 \\ \hline 682 \end{array}$$

③ $29 \times 24 = 696$

$$\begin{array}{r} 29 \\ \times 24 \\ \hline 580 \\ 116 \\ \hline 696 \end{array}$$

④ $45 \times 16 = 720$

$$\begin{array}{r} 45 \\ \times 16 \\ \hline 450 \\ 270 \\ \hline 720 \end{array}$$

⑤ $19 \times 40 = 760$

$$\begin{array}{r} 19 \\ \times 40 \\ \hline 760 \end{array}$$

⑥ $54 \times 12 = 648$

$$\begin{array}{r} 54 \\ \times 12 \\ \hline 540 \\ 108 \\ \hline 648 \end{array}$$

⑦ $25 \times 28 = 700$

$$\begin{array}{r} 25 \\ \times 28 \\ \hline 500 \\ 200 \\ \hline 700 \end{array}$$

⑧ $381 \times 20 = 7620$

$$\begin{array}{r} 381 \\ \times 20 \\ \hline 7620 \end{array}$$

⑨ $108 \times 17 = 1836$

$$\begin{array}{r} 108 \\ \times 17 \\ \hline 1080 \\ 756 \\ \hline 1836 \end{array}$$

⑩ $409 \times 11 = 4499$

$$\begin{array}{r} 409 \\ \times 11 \\ \hline 4090 \\ 409 \\ \hline 4499 \end{array}$$

⑪ $103 \times 66 = 6798$

$$\begin{array}{r} 103 \\ \times 66 \\ \hline 6180 \\ 618 \\ \hline 6798 \end{array}$$

⑫ $505 \times 16 = 8080$

$$\begin{array}{r} 505 \\ \times 16 \\ \hline 5050 \\ 3030 \\ \hline 8080 \end{array}$$

計算：

Calculating：

$$\text{e.g. : } 18 \times 60 + 18 \times 40 = 18 \times (60 + 40)$$

$$\text{e.g. : } 18 \times 60 - 18 \times 40 = 18 \times (60 - 40)$$

乘法分配性質

Distributive Property of Multiplication

$$\begin{aligned} \textcircled{1} \quad & 59 \times 30 + 59 \times 70 \\ & = 59 \times (30 + 70) \\ & = 59 \times 100 \\ & = 5900 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 67 \times 80 + 67 \times 20 \\ & = 67 \times (80 + 20) \\ & = 67 \times 100 \\ & = 6700 \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & 125 \times 25 + 125 \times 55 \\ & = 125 \times (25 + 55) \\ & = 125 \times 80 \\ & = 10000 \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & 125 \times 24 - 125 \times 16 \\ & = 125 \times (24 - 16) \\ & = 125 \times 8 \\ & = 1000 \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & 63 \times 25 - 59 \times 25 \\ & = (63 - 59) \times 25 \\ & = 4 \times 25 \\ & = 100 \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & 48 \times 74 - 74 \times 38 \\ & = 74 \times (48 - 38) \\ & = 74 \times 10 \\ & = 740 \end{aligned}$$

乘法結合及交換性質

Associative and Commutative Properties of Multiplication

$$\begin{aligned} \textcircled{1} \quad & 25 \times 37 \times 4 \\ & = 25 \times 4 \times 37 \\ & = 100 \times 37 \\ & = 3700 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 8 \times 96 \times 125 \\ & = 8 \times 125 \times 96 \\ & = 1000 \times 96 \\ & = 96000 \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & 50 \times 73 \times 2 \\ & = 50 \times 2 \times 73 \\ & = 100 \times 73 \\ & = 7300 \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & 4 \times 29 \times 25 \\ & = 4 \times 25 \times 29 \\ & = 100 \times 29 \\ & = 2900 \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & 125 \times 45 \times 8 \\ & = 125 \times 8 \times 45 \\ & = 1000 \times 45 \\ & = 45000 \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & 2 \times 58 \times 50 \\ & = 2 \times 50 \times 58 \\ & = 100 \times 58 \\ & = 5800 \end{aligned}$$