① Column addition with exchanging

$$\begin{array}{r} 6\,7\,8\,4 \\ +\ 3\,8.7\,2 \\ \hline 1\,0\,6\,5\,6 \\ \hline {\scriptstyle *\ \ *} \end{array}$$

* 1 digit per square to line up place value correctly
* The numbers/values to be carried write under the answer bar.
* Do not put commas to indicate the thousands value.
* Cross out the exchanged/carried values once you have used them.

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② Column subtraction with values up to 2 decimal places

$$\begin{array}{r} {\scriptstyle 4}\not{5}\ {\scriptstyle 13}\not{4}\cdot{\scriptstyle 16}\not{7}\,{\scriptstyle 1}2 \\ -\ 3\,8\cdot 9\,3 \\ \hline 1\,5\cdot 7\,9 \\ \hline \end{array}$$

* Even though these values have decimal places, the method works in the same way.
* If you need to exchange, make sure you cross out the value you are exchanging from

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③ Long multiplication with expansion

	2^{000}	6^{00}	3^{0}	2							
×			$\cdot 2^{0}$	4							
				8	(	4	×	2	)		
		1	2	0	(	4	×	3	0	)	
	2	4	0	0	(	4	×	6	0	0	)
	8	0	0	0	(	4	×	2	0	0	0)
			4	0	(	2	0	×	2	)	
		6	0	0	(	2	0	×	3	0	)
1	2	0	0	0	(	2	0	×	6	0	0)
4	0	0	0	0	(	2	0	×	2	0	0 0)
6	3	1	6	8							
1	1										

* You can write the expanded values and calculations alongside if ya wish.

④ Short multiplication

	2	6	3	2
×			2	4
1	0	5	2	8
5	2	6	4	0
6	3	1	6	8
	1			

⑤ Long division with remainders

$$13 \overline{)7842} = 603 \text{ r } 3$$