

5. [Large Number +]

Skill 5.1 Adding large numbers without carry over using columns.

MM3.2 11 22 33 44
MM4.1 11 22 33 44

- Always keep your working columns in line, aligning units with units, tens with tens, etc.
- Add from right to left.

Q.

1 2 5	A.	
+ 4 3	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; flex-direction: column; align-items: center; margin-bottom: 5px;"> hundreds tens units </div> <div style="text-align: right; margin-bottom: 5px;">1 2 5</div> <div style="text-align: right; margin-bottom: 5px;">+ 4 3</div> <hr style="width: 100%;"/> <div style="text-align: right; font-weight: bold; font-size: 1.2em;">1 6 8</div> </div> <div style="margin-left: 10px; font-size: small;">Units first!</div>	<p>Units: 5 + 3 = 8 ⇒ 8 units</p> <p>Tens: 2 + 4 = 6 ⇒ 6 tens</p> <p>Hundreds: 1 + 0 = 1 ⇒ 1 hundred</p>

<p>a)</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right;">1 3 4</td></tr> <tr><td style="text-align: right;">+ 2 3</td></tr> <tr><td style="border-top: 1px solid black; text-align: right;">1 5 7</td></tr> </table> <div style="margin-left: 100px; font-size: small;">Units first!</div>	1 3 4	+ 2 3	1 5 7	<p>b)</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right;">4 3 7</td></tr> <tr><td style="text-align: right;">+ 5 2</td></tr> <tr><td style="border-top: 1px solid black; text-align: right;"></td></tr> </table> <div style="margin-left: 100px; font-size: small;">Units first!</div>	4 3 7	+ 5 2		<p>c)</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right;">3 0 5</td></tr> <tr><td style="text-align: right;">+ 8 1</td></tr> <tr><td style="border-top: 1px solid black; text-align: right;"></td></tr> </table>	3 0 5	+ 8 1		<p>d)</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right;">5 7 3 6</td></tr> <tr><td style="text-align: right;">+ 3 3</td></tr> <tr><td style="border-top: 1px solid black; text-align: right;"></td></tr> </table>	5 7 3 6	+ 3 3									
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Skill 5.2 Adding large numbers with carry over using columns.

MM3.2 1 1 2 2 3 3 4 4
MM4.1 1 1 2 2 3 3 4 4

- Always keep your working columns in line, aligning units with units, tens with tens, etc.
- Add from right to left.

Q.

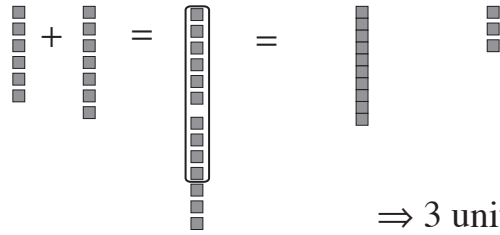
$$\begin{array}{r} 146 \\ + 47 \\ \hline \end{array}$$

A.

$$\begin{array}{r} \text{hundreds} \quad \text{tens} \quad \text{units} \\ 146 \\ + 47 \\ \hline 193 \end{array}$$

Units first!

Units:
 $6 + 7 = 13 = 1 \text{ ten} + 3 \text{ units}$



Carry over the 1 ten to the tens column.

Tens:
 $4 + 4 + 1 \text{ (carry over)} = 9 \Rightarrow 9 \text{ tens}$

Hundreds:
 $1 + 0 = 1 \Rightarrow 1 \text{ hundred}$

a)

$$\begin{array}{r} 527 \\ + 37 \\ \hline \end{array}$$

Units first!

b)

$$\begin{array}{r} 206 \\ + 89 \\ \hline \end{array}$$

Units first!

c)

$$\begin{array}{r} 323 \\ + 68 \\ \hline \end{array}$$

d)

$$\begin{array}{r} 4653 \\ + 54 \\ \hline \end{array}$$

e)

$$\begin{array}{r} 328 \\ 220 \\ + 71 \\ \hline \end{array}$$

f)

$$\begin{array}{r} 41 \\ 38 \\ + 905 \\ \hline \end{array}$$

g)

$$\begin{array}{r} 202 \\ 538 \\ + 62 \\ \hline \end{array}$$

h)

$$\begin{array}{r} 2482 \\ 1397 \\ + 200 \\ \hline \end{array}$$

i)

$$\begin{array}{r} 645 \\ 21 \\ 3057 \\ + 45 \\ \hline \end{array}$$

j)

$$\begin{array}{r} 400 \\ 113 \\ 2534 \\ + 4271 \\ \hline \end{array}$$

k)

$$\begin{array}{r} 528 \\ 301 \\ 7056 \\ + 64 \\ \hline \end{array}$$

l)

$$\begin{array}{r} 6201 \\ 12 \\ 1825 \\ + 369 \\ \hline \end{array}$$

