

6. [Large Number –]

Skill 6.1 Subtracting 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.
- Subtract from right to left.

Q.

$$\begin{array}{r} 147 \\ - 43 \\ \hline \end{array}$$

A.

Units:
 $7 - 3 = 4 \Rightarrow 4$ units

Tens:
 $4 - 4 = 0 \Rightarrow 0$ tens

Hundreds:
 $1 - 0 = 1 \Rightarrow 1$ hundred

a) $\begin{array}{r} 567 \\ - 25 \\ \hline \end{array}$ **Units first!**

b) $\begin{array}{r} 98 \\ - 54 \\ \hline \end{array}$ **Units first!**

c) $\begin{array}{r} 25 \\ - 20 \\ \hline \end{array}$

d) $\begin{array}{r} 436 \\ - 31 \\ \hline \end{array}$

e) $\begin{array}{r} 156 \\ - 40 \\ \hline \end{array}$

f) $\begin{array}{r} 534 \\ - 123 \\ \hline \end{array}$

g) $\begin{array}{r} 888 \\ - 208 \\ \hline \end{array}$

h) $\begin{array}{r} 795 \\ - 673 \\ \hline \end{array}$

i) $\begin{array}{r} 1134 \\ - 123 \\ \hline \end{array}$

j) $\begin{array}{r} 3434 \\ - 13 \\ \hline \end{array}$

k) $\begin{array}{r} 6789 \\ - 123 \\ \hline \end{array}$

l) $\begin{array}{r} 2505 \\ - 205 \\ \hline \end{array}$

m) $\begin{array}{r} 8796 \\ - 7465 \\ \hline \end{array}$

n) $\begin{array}{r} 6134 \\ - 3123 \\ \hline \end{array}$

o) $\begin{array}{r} 9758 \\ - 1543 \\ \hline \end{array}$

p) $\begin{array}{r} 4794 \\ - 1370 \\ \hline \end{array}$

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

Q.
$$\begin{array}{r} 545 \\ - 327 \\ \hline \end{array}$$

A.

$$\begin{array}{r} 545 \\ - 327 \\ \hline \end{array}$$

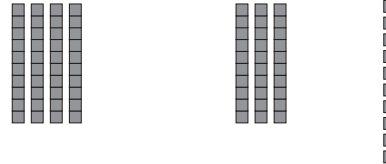
$$\begin{array}{r} 53 \overline{)15} \\ - 327 \\ \hline 8 \end{array}$$
 Units first!

$$\begin{array}{r} 53 \overline{)15} \\ - 327 \\ \hline 218 \end{array}$$
 Tens next!

Units:

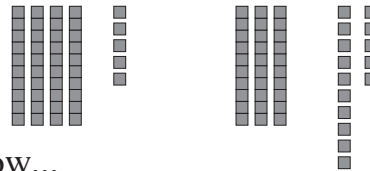
$5 - 7 = ?$ units. The result is < 0 .
To make the answer positive break down the 4 tens.

$4 \text{ tens} = 3 \text{ tens} + 10 \text{ units}$



Re-group the 10 units with the 5 units to make 15 units.

$40 + 5 = 30 + 15$



Now...

$15 - 7 = 8$

$\Rightarrow 8$ units

Tens:

$3 - 2 = 1$

$\Rightarrow 1$ ten

Hundreds:

$5 - 3 = 2$

$\Rightarrow 2$ hundreds

a)
$$\begin{array}{r} 63\overline{)2} \\ - 28 \\ \hline \end{array}$$

$$\begin{array}{r} 604 \\ \hline \end{array}$$
 Units first!

b)
$$\begin{array}{r} 444 \\ - 28 \\ \hline \end{array}$$

$$\begin{array}{r} \\ \hline \end{array}$$
 Units first!

c)
$$\begin{array}{r} 363 \\ - 207 \\ \hline \end{array}$$

$$\begin{array}{r} \\ \hline \end{array}$$

d)
$$\begin{array}{r} 700 \\ - 46 \\ \hline \end{array}$$

$$\begin{array}{r} \\ \hline \end{array}$$

e)
$$\begin{array}{r} 577 \\ - 183 \\ \hline \end{array}$$

$$\begin{array}{r} \\ \hline \end{array}$$

f)
$$\begin{array}{r} 2414 \\ - 65 \\ \hline \end{array}$$

$$\begin{array}{r} \\ \hline \end{array}$$

g)
$$\begin{array}{r} 6000 \\ - 457 \\ \hline \end{array}$$

$$\begin{array}{r} \\ \hline \end{array}$$

h)
$$\begin{array}{r} 3648 \\ - 388 \\ \hline \end{array}$$

$$\begin{array}{r} \\ \hline \end{array}$$

i)
$$\begin{array}{r} 4591 \\ - 2435 \\ \hline \end{array}$$

$$\begin{array}{r} \\ \hline \end{array}$$

j)
$$\begin{array}{r} 5784 \\ - 3158 \\ \hline \end{array}$$

$$\begin{array}{r} \\ \hline \end{array}$$

k)
$$\begin{array}{r} 9658 \\ - 4213 \\ \hline \end{array}$$

$$\begin{array}{r} \\ \hline \end{array}$$

l)
$$\begin{array}{r} 4372 \\ - 1076 \\ \hline \end{array}$$

$$\begin{array}{r} \\ \hline \end{array}$$

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

Q.

$$\begin{array}{r} 300 \\ - 58 \\ \hline \end{array}$$

A.

$$\begin{array}{r} \text{hundreds} & \text{tens} & \text{units} \\ 2 & 9 & 10 \\ - 5 & 8 & \\ \hline 2 & 4 & 2 \end{array}$$

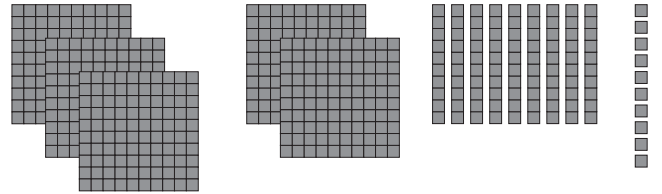
Units first!

Units:

$0 - 8 = ?$ units. The result is < 0 .

To make the answer positive break down the 3 hundreds (no tens available).

3 hundreds = 2 hundreds + 9 tens + 10 units



Now...

$10 - 8 = 2 \Rightarrow 2$ units

Tens:

$9 - 5 = 4 \Rightarrow 4$ tens

Hundreds:

$2 - 0 = 2 \Rightarrow 2$ hundreds

a)

$$\begin{array}{r} 8 & 1 \\ \cancel{9} & 0 \\ - & 7 \\ \hline 8 & 3 \end{array}$$

Units first!

b)

$$\begin{array}{r} 30 \\ - 4 \\ \hline \end{array}$$

Units first!

c)

$$\begin{array}{r} 60 \\ - 5 \\ \hline \end{array}$$

d)

$$\begin{array}{r} 40 \\ - 8 \\ \hline \end{array}$$

e)

$$\begin{array}{r} 400 \\ - 5 \\ \hline \end{array}$$

f)

$$\begin{array}{r} 600 \\ - 3 \\ \hline \end{array}$$

g)

$$\begin{array}{r} 500 \\ - 9 \\ \hline \end{array}$$

h)

$$\begin{array}{r} 200 \\ - 6 \\ \hline \end{array}$$

i)

$$\begin{array}{r} 20 \\ - 16 \\ \hline \end{array}$$

j)

$$\begin{array}{r} 50 \\ - 13 \\ \hline \end{array}$$

k)

$$\begin{array}{r} 70 \\ - 45 \\ \hline \end{array}$$

l)

$$\begin{array}{r} 80 \\ - 14 \\ \hline \end{array}$$

m)

$$\begin{array}{r} 300 \\ - 22 \\ \hline \end{array}$$

n)

$$\begin{array}{r} 700 \\ - 19 \\ \hline \end{array}$$

o)

$$\begin{array}{r} 900 \\ - 57 \\ \hline \end{array}$$

p)

$$\begin{array}{r} 800 \\ - 63 \\ \hline \end{array}$$