

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.

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

A.

Units:
 $7 - 3 = 4 \Rightarrow 4 \text{ units}$

Tens:
 $4 - 4 = 0 \Rightarrow 0 \text{ tens}$

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

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

b) $\begin{array}{r} 29 \\ - 20 \\ \hline \square \end{array}$

c) $\begin{array}{r} 567 \\ - 25 \\ \hline \square \end{array}$

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

e) $\begin{array}{r} 156 \\ - 140 \\ \hline \square \end{array}$

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

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

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

i) $\begin{array}{r} 683 \\ - 112 \\ \hline \square \end{array}$

j) $\begin{array}{r} 497 \\ - 281 \\ \hline \square \end{array}$

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

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

m) $\begin{array}{r} 6789 \\ - 432 \\ \hline \square \end{array}$

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

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

p) $\begin{array}{r} 6745 \\ - 3123 \\ \hline \square \end{array}$

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

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

s) $\begin{array}{r} 6319 \\ - 4008 \\ \hline \square \end{array}$

t) $\begin{array}{r} 8378 \\ - 2265 \\ \hline \square \end{array}$

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

Q.

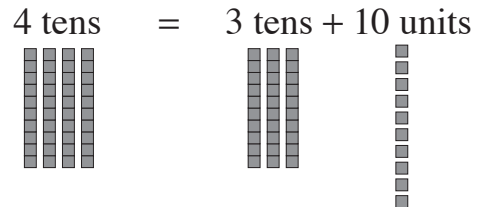
$$\begin{array}{r} 545 \\ - 327 \\ \hline \square \end{array}$$

A.

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

Units:

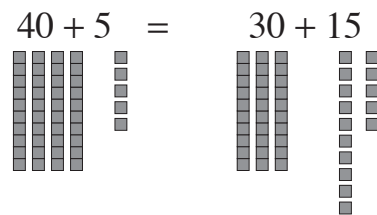
$5 - 7 = ?$ units. The result is < 0 .
To make the answer positive break down the 4 tens.



$$\begin{array}{r} 5\overset{3}{\cancel{4}}\overset{1}{5} \\ - 327 \\ \hline \square \quad 8 \end{array}$$

Units first!

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



Now...

$15 - 7 = 8 \Rightarrow 8 \text{ units}$

Tens:

$3 - 2 = 1 \Rightarrow 1 \text{ ten}$

Hundreds:

$5 - 3 = 2 \Rightarrow 2 \text{ hundreds}$

$$\begin{array}{r} 5\overset{3}{\cancel{4}}\overset{1}{5} \\ - 327 \\ \hline 2\overset{1}{\cancel{1}}8 \end{array}$$

Tens next!

a)

$$\begin{array}{r} 6\overset{2}{\cancel{3}}\overset{1}{2} \\ - 28 \\ \hline 604 \end{array}$$

Units first!

b)

$$\begin{array}{r} 444 \\ - 39 \\ \hline \square \end{array}$$

c)

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

d)

$$\begin{array}{r} 700 \\ - 146 \\ \hline \square \end{array}$$

e)

$$\begin{array}{r} 5739 \\ - 183 \\ \hline \square \end{array}$$

f)

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

g)

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

h)

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

i)

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

j)

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

k)

$$\begin{array}{r} 9213 \\ - 4658 \\ \hline \square \end{array}$$

l)

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

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

Q.

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

A.

$$\begin{array}{r} \text{hundreds} & \text{tens} & \text{units} \\ 2 & 9 & 1 \\ \cancel{3} & \cancel{0} & \cancel{0} \\ - & 5 & 8 \\ \hline 2 & 4 & 2 \end{array}$$

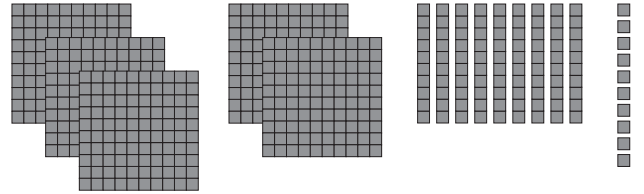
Units first!

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...

$$10 - 8 = 2 \quad \Rightarrow 2 \text{ units}$$

Tens:

$$9 - 5 = 4 \quad \Rightarrow 4 \text{ tens}$$

Hundreds:

$$2 - 0 = 2 \quad \Rightarrow 2 \text{ hundreds}$$

a)

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

Units first!

b)

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

c)

$$\begin{array}{r} 60 \\ - 15 \\ \hline \square \end{array}$$

d)

$$\begin{array}{r} 40 \\ - 28 \\ \hline \square \end{array}$$

e)

$$\begin{array}{r} 90 \\ - 16 \\ \hline \square \end{array}$$

f)

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

g)

$$\begin{array}{r} 70 \\ - 37 \\ \hline \square \end{array}$$

h)

$$\begin{array}{r} 80 \\ - 54 \\ \hline \square \end{array}$$

i)

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

j)

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

k)

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

l)

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

m)

$$\begin{array}{r} 540 \\ - 82 \\ \hline \square \end{array}$$

n)

$$\begin{array}{r} 810 \\ - 29 \\ \hline \square \end{array}$$

o)

$$\begin{array}{r} 1000 \\ - 205 \\ \hline \square \end{array}$$

p)

$$\begin{array}{r} 2050 \\ - 461 \\ \hline \square \end{array}$$

