NOTE: The number for each skill indicates the suggested grade level in which to teach it. Any errors in the process for a skill indicate the need to teach it. Fact errors are not really relevant, but if frequent, indicate the need for more Rocket Math facts practice.

SKILL lb: Subtracting 1 or 2 digits from $ఒ$ digits; no renaming.


SKILL 2 b : Subtracting 1, 2 , or 3 digits from 3 digits; borrowing tens to ones.
$\begin{array}{r}13^{2} 18 \\ -\quad 9 \\ \hline 129\end{array}$

$\begin{array}{r}547 \\ -424 \\ \hline 123\end{array}$

SKILL 3b: Subtracting 2 or 3 digits from 3 digits; borrowing twice.


SKILL 3d: Subtracting 2 or 3 digits from 3 digits; zero in tens column; borrowing tens to ones and/or hundreds to tens.


SKILL La: Subtracting 1 or 2 digits from 2 digits; renaming required.


SKILL 3a: Subtracting 2 or 3 digits from 3 digits; borrowing from hundreds to tens.


SKILL 3c: Subtracting tens minus one facts.

$$
\begin{array}{ll}
10-1=9 & 20-1=19 \\
90-1=89 & 40-1=39 \\
30-1=29 & 60-1=59
\end{array}
$$

SKILLL 3e: Reading and writing thousands numbers, using commas.
a) Student reads to you.
b) Dictate so student can write.
1a) 734,586
b) $\mathbf{2 6 4 , 1 3 7}$
2a) 506,320
b) $\mathbf{8 0 3 , 9 4 0}$
3a) 750,000
b) 280,000
4a) 300,702
b) 500,403

NOTE: The number for each skill indicates the suggested grade level in which to teach it. Any errors in the process for a skill indicate the need to teach it. Fact errors are not really relevant, but if frequent, indicate the need for more Rocket Math facts practice.

SKILL 3f: Subtracting 3 or 4 digits from 4 digits; borrowing from thousands to hundreds.

SKILL 3g: Subtracting 2, 3 or 4 digits from 4 digits; borrowing in one or more columns.

|  | X'375 | $6{ }^{5} 447$ | $4{ }^{611}{ }^{11}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| -6473 | -4863 | -1632 | -497 | 36 | -2918 |
| 2,913 | 2,512 | 4,815 | 4,226 | 228 | 2,527 |

SKILL 4b: Subtracting 2,3 or 4 digits from 4 digits; zero in tens column and a 1 in the 100s column.
SKILL 4a: Subtracting L, 3 or 4 digits from 4 digits; zero in either tens or 100 s column.

$$
\begin{aligned}
& \begin{array}{lll}
3^{1} 09 \\
\times 1 Q^{1} 2 & 4^{1} 09 & 8^{1} 0 \\
Q^{1} 3 & Q^{1} 5
\end{array} \\
& \frac{-3989}{2,214}-\frac{1355}{5,677} \quad \frac{-797}{4,219} \quad-\frac{2579}{1,523}-\frac{3318}{1,785} \quad \frac{-927}{8,178}
\end{aligned}
$$

SKILL 4d: Subtracting 2, 3, or 4 digits from 4 digits; zero in tens and hundreds column.

$$
\begin{aligned}
& 100-1=\frac{99}{500-1=499} \\
& 200-1=199 \quad 700-1=699 \\
& 600-1=599 \quad 300-1=299
\end{aligned}
$$

SKILL 4f: Subtracting 5- and 6-digit numbers with borrowing.


NOTE: The number for each skill indicates the suggested grade level in which to teach it. Any errors in the process for a skill indicate the need to teach it. Fact errors are not really relevant, but if frequent, indicate the need for more Rocket Math facts practice.

SKILL 5a: Subtracting thousands minus 1 facts.

$$
\begin{array}{ll}
1000-1=\underline{999} & 3000-1=\underline{2,999} \\
8000-1=\underline{7,999} & 5000-1=\underline{4,999} \\
4000-1=\underline{3,999} & 7000-1=\underline{6,999}
\end{array}
$$

SKILL 5b: Subtracting from a number with four zeroes.


