Name Class $\qquad$ Date $\qquad$
This algorithm shows subtraction with trading.

| ${ }^{H}$ |  | T |
| :---: | :---: | :---: |
| 2 | $\mathbf{O}$ |  |
| $\mathbf{3}$ | 5 | 6 |
| $\mathbf{1}$ | 7 | 2 |
| 1 | 8 | 4 |

1. Subtract the ones. 6-2 = $\qquad$ ones.
2. Subtract the tens. You only have 5 tens available and you want to subtract 7 tens. Trade 1 of the 3 hundreds for 10 tens. Now you have 15 tens and 2 hundreds.
15 tens -7 tens $=$ $\qquad$ tens.
3. Subtract the hundreds. 2 hundred - 1 hundred $=$ $\qquad$ hundred.



PREVIEW

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$\qquad$ Class $\qquad$ Date

## ANSWER KEY

This algorithm shows subtraction with trading.

| $\mathbf{H}^{\mathbf{H}}$ |  | $\mathbf{T}$ |
| :---: | :---: | :---: |
| $\mathbf{2}^{2}$ | $\mathbf{O}$ |  |
| $\mathbf{3}$ | $\mathbf{5}$ | $\mathbf{6}$ |
| $\mathbf{1}$ | $\mathbf{7}$ | $\mathbf{2}$ |
| 1 | 8 | 4 |

1. Subtract the ones. 6-2 = 4 ones.
2. Subtract the tens. You only have 5 tens available and you want to subtract 7 tens.

Trade 1 of the 3 hundreds for 10 tens. Now you have 15 tens and 2 hundreds.
15 tens -7 tens $=8$ tens.
3. Subtract the hundreds. 2 hundred -1 hundred $=1$ hundred.

| H |  | $\mathbf{T}$ |
| :---: | :---: | :---: |
| $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{8}$ |
| $\mathbf{1}$ | $\mathbf{6}$ | $\mathbf{5}$ |
| 1 | 8 | 3 |


| $H$ | $T$ | 0 |
| :---: | :---: | :---: |
| 2 | 5 | 5 |
| $\mathbf{1}$ | 8 | 4 |
|  | 7 | 1 |

$\left.\begin{array}{|l|l|}\hline H & \text { T } \\ \hline \mathbf{O} & 0 \\ \hline 3 & 1\end{array}\right)$

$$
\begin{array}{|c|c|c|c|c|}
\hline H & T & 0 & H & T \\
\hline 5 & 3 & 2 & 4 & 2 \\
\hline & 6 \\
\hline 2 & 4 & 0 & 1 & 7 \\
\hline 2 & 9 & 2 & 2 & 5 \\
\hline
\end{array}
$$



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