

Date _____

Name _____

Checking 3 by 3 Digit Addition by Subtraction - With Carrying

LO: to check by using inverse

Calculate the answer to the following addition calculations and check by using subtraction:

| | |
|---|--|
| <div style="background-color: black; color: white; padding: 2px 5px; font-weight: bold; font-size: 1.2em;">1</div> <div style="text-align: right; margin-right: 20px;"> $\begin{array}{r} 532 \\ + 209 \\ \hline \\ \hline \end{array}$ </div> <div style="text-align: right;"> $\begin{array}{r} - \\ \hline \\ \hline \end{array}$ </div> | <div style="background-color: black; color: white; padding: 2px 5px; font-weight: bold; font-size: 1.2em;">2</div> <div style="text-align: right; margin-right: 20px;"> $\begin{array}{r} 457 \\ + 213 \\ \hline \\ \hline \end{array}$ </div> <div style="text-align: right;"> $\begin{array}{r} - \\ \hline \\ \hline \end{array}$ </div> |
| <div style="background-color: black; color: white; padding: 2px 5px; font-weight: bold; font-size: 1.2em;">3</div> <div style="text-align: right; margin-right: 20px;"> $\begin{array}{r} 405 \\ + 318 \\ \hline \\ \hline \end{array}$ </div> <div style="text-align: right;"> $\begin{array}{r} - \\ \hline \\ \hline \end{array}$ </div> | <div style="background-color: black; color: white; padding: 2px 5px; font-weight: bold; font-size: 1.2em;">4</div> <div style="text-align: right; margin-right: 20px;"> $\begin{array}{r} 519 \\ + 403 \\ \hline \\ \hline \end{array}$ </div> <div style="text-align: right;"> $\begin{array}{r} - \\ \hline \\ \hline \end{array}$ </div> |
| <div style="background-color: black; color: white; padding: 2px 5px; font-weight: bold; font-size: 1.2em;">5</div> <div style="text-align: right; margin-right: 20px;"> $\begin{array}{r} 573 \\ + 262 \\ \hline \\ \hline \end{array}$ </div> <div style="text-align: right;"> $\begin{array}{r} - \\ \hline \\ \hline \end{array}$ </div> | <div style="background-color: black; color: white; padding: 2px 5px; font-weight: bold; font-size: 1.2em;">6</div> <div style="text-align: right; margin-right: 20px;"> $\begin{array}{r} 507 \\ + 426 \\ \hline \\ \hline \end{array}$ </div> <div style="text-align: right;"> $\begin{array}{r} - \\ \hline \\ \hline \end{array}$ </div> |
| <div style="background-color: black; color: white; padding: 2px 5px; font-weight: bold; font-size: 1.2em;">7</div> <div style="text-align: right; margin-right: 20px;"> $\begin{array}{r} 536 \\ + 293 \\ \hline \\ \hline \end{array}$ </div> <div style="text-align: right;"> $\begin{array}{r} - \\ \hline \\ \hline \end{array}$ </div> | <div style="background-color: black; color: white; padding: 2px 5px; font-weight: bold; font-size: 1.2em;">8</div> <div style="text-align: right; margin-right: 20px;"> $\begin{array}{r} 548 \\ + 387 \\ \hline \\ \hline \end{array}$ </div> <div style="text-align: right;"> $\begin{array}{r} - \\ \hline \\ \hline \end{array}$ </div> |
| <div style="background-color: black; color: white; padding: 2px 5px; font-weight: bold; font-size: 1.2em;">9</div> <div style="text-align: right; margin-right: 20px;"> $\begin{array}{r} 664 \\ + 478 \\ \hline \\ \hline \end{array}$ </div> <div style="text-align: right;"> $\begin{array}{r} - \\ \hline \\ \hline \end{array}$ </div> | <div style="background-color: black; color: white; padding: 2px 5px; font-weight: bold; font-size: 1.2em;">10</div> <div style="text-align: right; margin-right: 20px;"> $\begin{array}{r} 777 \\ + 655 \\ \hline \\ \hline \end{array}$ </div> <div style="text-align: right;"> $\begin{array}{r} - \\ \hline \\ \hline \end{array}$ </div> |

Challenge

Complete the following calculations and check:

| | |
|--|---|
| <div style="background-color: black; color: white; padding: 2px 5px; font-weight: bold; font-size: 1.2em;">11</div> <div style="text-align: right; margin-right: 20px;"> $\begin{array}{r} _64 \\ + _22_ \\ \hline \\ \hline \end{array}$ </div> <div style="text-align: right;"> $\begin{array}{r} - \\ \hline \\ \hline \end{array}$ </div> | <div style="background-color: black; color: white; padding: 2px 5px; font-weight: bold; font-size: 1.2em;">12</div> <div style="text-align: right; margin-right: 20px;"> $\begin{array}{r} 7_5 \\ + _2_ \\ \hline \\ \hline \end{array}$ </div> <div style="text-align: right;"> $\begin{array}{r} - \\ \hline \\ \hline \end{array}$ </div> |
|--|---|

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LO: to check by using inverse

Calculate the answer to the following addition calculations and check by using subtraction:

| | |
|---|--|
| 1 $\begin{array}{r} 532 \\ + 209 \\ \hline 741 \end{array}$ $\begin{array}{r} 741 \\ - 209 \\ \hline 532 \end{array}$ | 2 $\begin{array}{r} 457 \\ + 213 \\ \hline 670 \end{array}$ $\begin{array}{r} 670 \\ - 213 \\ \hline 457 \end{array}$ |
| 3 $\begin{array}{r} 405 \\ + 318 \\ \hline 723 \end{array}$ $\begin{array}{r} 723 \\ - 318 \\ \hline 405 \end{array}$ | 4 $\begin{array}{r} 519 \\ + 403 \\ \hline 922 \end{array}$ $\begin{array}{r} 922 \\ - 403 \\ \hline 519 \end{array}$ |
| 5 $\begin{array}{r} 573 \\ + 262 \\ \hline 835 \end{array}$ $\begin{array}{r} 835 \\ - 262 \\ \hline 573 \end{array}$ | 6 $\begin{array}{r} 507 \\ + 426 \\ \hline 933 \end{array}$ $\begin{array}{r} 933 \\ - 426 \\ \hline 507 \end{array}$ |
| 7 $\begin{array}{r} 536 \\ + 293 \\ \hline 829 \end{array}$ $\begin{array}{r} 829 \\ - 293 \\ \hline 536 \end{array}$ | 8 $\begin{array}{r} 548 \\ + 387 \\ \hline 935 \end{array}$ $\begin{array}{r} 935 \\ - 387 \\ \hline 548 \end{array}$ |
| 9 $\begin{array}{r} 664 \\ + 478 \\ \hline 1142 \end{array}$ $\begin{array}{r} 1142 \\ - 478 \\ \hline 664 \end{array}$ | 10 $\begin{array}{r} 777 \\ + 655 \\ \hline 1432 \end{array}$ $\begin{array}{r} 1432 \\ - 655 \\ \hline 777 \end{array}$ |

Note subtraction calculations could be written the other way round

Challenge

Complete the following calculations and check:

| | |
|--|--|
| 11 $\begin{array}{r} 564 \\ + 227 \\ \hline 791 \end{array}$ $\begin{array}{r} 791 \\ - 227 \\ \hline 564 \end{array}$ | 12 $\begin{array}{r} 785 \\ + 429 \\ \hline 1214 \end{array}$ $\begin{array}{r} 1214 \\ - 429 \\ \hline 785 \end{array}$ |
|--|--|