

Mental Math: Left-to-Right Subtraction – 3 Digit using complements

| Step | Example |
|--|-----------------------------|
| | $821 - 259 =$ |
| Step 1: Round up the second number to the nearest 100 and subtract it from the first number. | $821 - 300 = 521$ |
| Step 2: Figure out the complement of the last 2-digits of the 2 nd number. | $59 + \underline{41} = 100$ |
| Step 3: Add the complement from step 1 to the answer in step 2 | $521 + 41 = 562$ |

Practice

Subtract these numbers using mental math.

| | | | | |
|--|--|--|--|--|
| $\begin{array}{r} 583 \\ -271 \\ \hline \end{array}$ | $\begin{array}{r} 936 \\ -725 \\ \hline \end{array}$ | $\begin{array}{r} 587 \\ -298 \\ \hline \end{array}$ | $\begin{array}{r} 763 \\ -486 \\ \hline \end{array}$ | $\begin{array}{r} 204 \\ -185 \\ \hline \end{array}$ |
| $\begin{array}{r} 793 \\ -402 \\ \hline \end{array}$ | $\begin{array}{r} 219 \\ -176 \\ \hline \end{array}$ | $\begin{array}{r} 978 \\ -784 \\ \hline \end{array}$ | $\begin{array}{r} 455 \\ -319 \\ \hline \end{array}$ | $\begin{array}{r} 772 \\ -596 \\ \hline \end{array}$ |

Answers to Practice

| | | | | |
|---|---|---|---|---|
| $\begin{array}{r} 583 \\ - 271 \\ \hline 312 \end{array}$ | $\begin{array}{r} 936 \\ - 725 \\ \hline 211 \end{array}$ | $\begin{array}{r} 587 \\ - 298 \\ \hline 289 \end{array}$ | $\begin{array}{r} 763 \\ - 486 \\ \hline 277 \end{array}$ | $\begin{array}{r} 204 \\ - 185 \\ \hline 19 \end{array}$ |
| $\begin{array}{r} 793 \\ - 402 \\ \hline 391 \end{array}$ | $\begin{array}{r} 219 \\ - 176 \\ \hline 43 \end{array}$ | $\begin{array}{r} 978 \\ - 784 \\ \hline 194 \end{array}$ | $\begin{array}{r} 455 \\ - 319 \\ \hline 136 \end{array}$ | $\begin{array}{r} 772 \\ - 596 \\ \hline 176 \end{array}$ |

Game: Roll 4-in-a-Row

Materials:

- Roll 4-in-a-Row Card
- 6-sided die or dice
- 2-colors of dry-erase marker/eraser

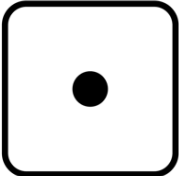



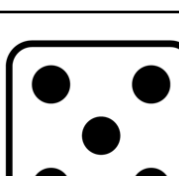

Object of the game: Be the first to get 4-in a row in any direction including diagonal.

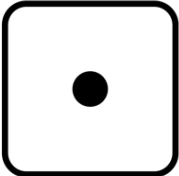



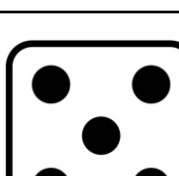

To play:

1st player rolls a 6-sided die and uses mental math to solve any problem in the row corresponding to the number on the die. If they answer correctly, they mark the spot with their color.

Continue taking turns until one player gets 4-in-a-row in any direction.

Printing: 2-sided, black and white, landscape, flip on short edge

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|--|---|---|---|---|---|---|
|  | $\begin{array}{r} 918 \\ - 871 \\ \hline 47 \end{array}$ | $\begin{array}{r} 520 \\ - 355 \\ \hline 165 \end{array}$ | $\begin{array}{r} 995 \\ - 446 \\ \hline 549 \end{array}$ | $\begin{array}{r} 804 \\ - 744 \\ \hline 60 \end{array}$ | $\begin{array}{r} 831 \\ - 445 \\ \hline 386 \end{array}$ | $\begin{array}{r} 967 \\ - 899 \\ \hline 68 \end{array}$ |
|  | $\begin{array}{r} 457 \\ - 309 \\ \hline 148 \end{array}$ | $\begin{array}{r} 348 \\ - 199 \\ \hline 149 \end{array}$ | $\begin{array}{r} 910 \\ - 715 \\ \hline 195 \end{array}$ | $\begin{array}{r} 558 \\ - 491 \\ \hline 67 \end{array}$ | $\begin{array}{r} 369 \\ - 276 \\ \hline 93 \end{array}$ | $\begin{array}{r} 921 \\ - 542 \\ \hline 379 \end{array}$ |
|  | $\begin{array}{r} 525 \\ - 117 \\ \hline 408 \end{array}$ | $\begin{array}{r} 625 \\ - 229 \\ \hline 396 \end{array}$ | $\begin{array}{r} 713 \\ - 169 \\ \hline 544 \end{array}$ | $\begin{array}{r} 819 \\ - 531 \\ \hline 288 \end{array}$ | $\begin{array}{r} 726 \\ - 455 \\ \hline 271 \end{array}$ | $\begin{array}{r} 422 \\ - 133 \\ \hline 289 \end{array}$ |
|  | $\begin{array}{r} 969 \\ - 193 \\ \hline 776 \end{array}$ | $\begin{array}{r} 543 \\ - 534 \\ \hline 9 \end{array}$ | $\begin{array}{r} 742 \\ - 144 \\ \hline 598 \end{array}$ | $\begin{array}{r} 809 \\ - 162 \\ \hline 647 \end{array}$ | $\begin{array}{r} 267 \\ - 178 \\ \hline 89 \end{array}$ | $\begin{array}{r} 854 \\ - 265 \\ \hline 589 \end{array}$ |
|  | $\begin{array}{r} 648 \\ - 190 \\ \hline 458 \end{array}$ | $\begin{array}{r} 822 \\ - 184 \\ \hline 638 \end{array}$ | $\begin{array}{r} 528 \\ - 361 \\ \hline 167 \end{array}$ | $\begin{array}{r} 881 \\ - 528 \\ \hline 353 \end{array}$ | $\begin{array}{r} 966 \\ - 917 \\ \hline 49 \end{array}$ | $\begin{array}{r} 815 \\ - 774 \\ \hline 41 \end{array}$ |
|  | $\begin{array}{r} 217 \\ - 128 \\ \hline 89 \end{array}$ | $\begin{array}{r} 900 \\ - 521 \\ \hline 379 \end{array}$ | $\begin{array}{r} 570 \\ - 485 \\ \hline 85 \end{array}$ | $\begin{array}{r} 671 \\ - 178 \\ \hline 493 \end{array}$ | $\begin{array}{r} 823 \\ - 493 \\ \hline 330 \end{array}$ | $\begin{array}{r} 944 \\ - 651 \\ \hline 293 \end{array}$ |

| | | | | | | |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|  | 918 <u>- 871</u> | 520 <u>-355</u> | 995 <u>- 446</u> | 804 <u>-744</u> | 831 <u>- 445</u> | 967 <u>- 899</u> |
|  | 457 <u>- 309</u> | 348 <u>- 199</u> | 910 <u>- 715</u> | 558 <u>- 491</u> | 369 <u>- 276</u> | 921 <u>- 542</u> |
|  | 525 <u>- 117</u> | 625 <u>- 229</u> | 713 <u>- 169</u> | 819 <u>- 531</u> | 726 <u>- 455</u> | 422 <u>- 133</u> |
|  | 969 <u>- 193</u> | 543 <u>- 534</u> | 742 <u>- 144</u> | 809 <u>- 162</u> | 267 <u>- 178</u> | 854 <u>- 265</u> |
|  | 648 <u>- 190</u> | 822 <u>- 184</u> | 528 <u>- 361</u> | 881 <u>- 528</u> | 966 <u>- 917</u> | 815 <u>- 774</u> |
|  | 217 <u>- 128</u> | 900 <u>- 521</u> | 570 <u>- 485</u> | 671 <u>- 178</u> | 823 <u>- 493</u> | 944 <u>- 651</u> |

