


| | | | | |
|--|--|------|------|--|
| | | 2234 | 4160 | |
| <p style="font-size: 2em; font-weight: bold; opacity: 0.5;">SAMPLE ONLY - NOT TO BE USED</p>  <p style="font-size: 2em; font-weight: bold; opacity: 0.5;">SAMPLE ONLY - NOT TO BE USED</p> <p style="font-size: 2em; font-weight: bold; opacity: 0.5;">SAMPLE ONLY - NOT TO BE USED</p> | | | | |
| | | | | |

Cut out the cards below, and arrange them on the board above, so that equal values match up.

You have been given the position for your starting card.




| | | | | | | | | | | | |
|--|----------------|----------------|--|----------------|----------------|---|----------------|------|---|----------------|----------------|
| <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; border-right: 1px solid black;">5234 - 1000</td> <td style="width: 50%; padding: 5px;">6182 + 1000</td> </tr> </table> | 5234 - 1000 | 6182 + 1000 | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; border-right: 1px solid black;">8080 - 1000</td> <td style="width: 50%; padding: 5px;">1234 + 1000</td> </tr> </table> | 8080 - 1000 | 1234 + 1000 | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; border-right: 1px solid black;">7182</td> <td style="width: 50%; padding: 5px;">5722</td> </tr> </table> | 7182 | 5722 | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; border-right: 1px solid black;">9304</td> <td style="width: 50%; padding: 5px;">5616 - 1000</td> </tr> </table> | 9304 | 5616 - 1000 |
| 5234 - 1000 | 6182 + 1000 | | | | | | | | | | |
| 8080 - 1000 | 1234 + 1000 | | | | | | | | | | |
| 7182 | 5722 | | | | | | | | | | |
| 9304 | 5616 - 1000 | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; border-right: 1px solid black;">2748 - 1000</td> <td style="width: 50%; padding: 5px;">8304 + 1000</td> </tr> </table> | 2748 - 1000 | 8304 + 1000 | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; border-right: 1px solid black;">2234</td> <td style="width: 50%; padding: 5px;">4160</td> </tr> </table> | 2234 | 4160 | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; border-right: 1px solid black;">1374</td> <td style="width: 50%; padding: 5px;">4616</td> </tr> </table> | 1374 | 4616 | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; border-right: 1px solid black;">6722 - 1000</td> <td style="width: 50%; padding: 5px;">374 + 1000</td> </tr> </table> | 6722 - 1000 | 374 + 1000 |
| 2748 - 1000 | 8304 + 1000 | | | | | | | | | | |
| 2234 | 4160 | | | | | | | | | | |
| 1374 | 4616 | | | | | | | | | | |
| 6722 - 1000 | 374 + 1000 | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; border-right: 1px solid black;">722 + 1000</td> <td style="width: 50%; padding: 5px;">1616</td> </tr> </table> | 722 + 1000 | 1616 | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; border-right: 1px solid black;">2616 - 1000</td> <td style="width: 50%; padding: 5px;">4234</td> </tr> </table> | 2616 - 1000 | 4234 | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; border-right: 1px solid black;">3160 + 1000</td> <td style="width: 50%; padding: 5px;">1748</td> </tr> </table> | 3160 + 1000 | 1748 | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; border-right: 1px solid black;">1722</td> <td style="width: 50%; padding: 5px;">7080</td> </tr> </table> | 1722 | 7080 |
| 722 + 1000 | 1616 | | | | | | | | | | |
| 2616 - 1000 | 4234 | | | | | | | | | | |
| 3160 + 1000 | 1748 | | | | | | | | | | |
| 1722 | 7080 | | | | | | | | | | |

Answer

SAMPLE ONLY - NOT TO BE USED

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|--|--|--|---|--|--|--|--|
| $\begin{array}{r} 1722 \\ + 1000 \\ \hline 2722 \end{array}$ | $\begin{array}{r} 7080 \\ - 1000 \\ \hline 6080 \end{array}$ | $\begin{array}{r} 8080 \\ - 1000 \\ \hline 7080 \end{array}$ | $\begin{array}{r} 1234 \\ - 1000 \\ \hline 234 \end{array}$ | $\begin{array}{r} 2234 \\ - 1000 \\ \hline 1234 \end{array}$ | $\begin{array}{r} 1460 \\ + 1000 \\ \hline 2460 \end{array}$ | $\begin{array}{r} 3160 \\ + 1000 \\ \hline 4160 \end{array}$ | $\begin{array}{r} 1748 \\ - 1000 \\ \hline 748 \end{array}$ |
| $\begin{array}{r} 722 \\ + 1000 \\ \hline 1616 \end{array}$ | | | | | | | $\begin{array}{r} 2748 \\ - 1000 \\ \hline 1748 \end{array}$ |
| $\begin{array}{r} 2616 \\ - 1000 \\ \hline 1616 \end{array}$ | | | | | | | $\begin{array}{r} 8304 \\ + 1000 \\ \hline 9304 \end{array}$ |
| $\begin{array}{r} 2616 \\ - 1000 \\ \hline 1616 \end{array}$ | | | | | | | $\begin{array}{r} 9304 \\ - 1000 \\ \hline 8304 \end{array}$ |
| $\begin{array}{r} 4234 \\ - 1000 \\ \hline 3234 \end{array}$ | | | | | | | $\begin{array}{r} 5616 \\ - 1000 \\ \hline 4616 \end{array}$ |
| $\begin{array}{r} 5234 \\ - 1000 \\ \hline 4234 \end{array}$ | $\begin{array}{r} 6182 \\ + 1000 \\ \hline 7182 \end{array}$ | $\begin{array}{r} 7182 \\ - 1000 \\ \hline 6182 \end{array}$ | $\begin{array}{r} 722 \\ + 1000 \\ \hline 1722 \end{array}$ | $\begin{array}{r} 6732 \\ - 1000 \\ \hline 5732 \end{array}$ | $\begin{array}{r} 374 \\ + 1000 \\ \hline 1374 \end{array}$ | $\begin{array}{r} 1374 \\ - 1000 \\ \hline 374 \end{array}$ | $\begin{array}{r} 5616 \\ + 1000 \\ \hline 6616 \end{array}$ |

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| | | | | | |
|--|--|--|--|-----------|--|
| | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">4 hundreds</td> <td style="width: 50%; text-align: center;">↓ 9125</td> </tr> </table> | 4 hundreds | ↓ 9125 | |
| 4 hundreds | ↓ 9125 | | | | |
| <p>SAMPLE ONLY - NOT TO BE USED</p> |  | | <p>SAMPLE ONLY - NOT TO BE USED</p> | | |
| | | | | | |
| <p>SAMPLE ONLY - NOT TO BE USED</p> | | | | | |

Cut out the cards below, and arrange them on the board above, so that the digit indicated by the arrow is given on the other card.

You have been given the position for your starting card.



| | |
|-----------|----------------|
| ↓ 3615 | 5 thousands |
|-----------|----------------|

| | |
|-----------|-----------|
| ↓ 8652 | ↓ 1275 |
|-----------|-----------|

| | |
|-----------|---------------|
| ↓ 2785 | 6 hundreds |
|-----------|---------------|

| | |
|----------------|-----------|
| 4 thousands | ↓ 9426 |
|----------------|-----------|

| | |
|---------------|-----------|
| 4 hundreds | ↓ 9125 |
|---------------|-----------|

| | |
|-----------|-----------|
| ↓ 8179 | ↓ 4567 |
|-----------|-----------|

| | |
|-----------|------------|
| ↓ 8164 | 6 units |
|-----------|------------|

| | |
|-----------|-----------|
| ↓ 3126 | ↓ 5127 |
|-----------|-----------|

SAMPLE ONLY - NOT TO BE USED

| | |
|-----------|----------------|
| ↓ 3160 | 2 thousands |
|-----------|----------------|


| | |
|------------|-----------|
| 5 units | 6 tens |
|------------|-----------|

| | |
|------------|-----------|
| 9 units | 5 tens |
|------------|-----------|

| | |
|-----------|------------|
| 2 tens | 4 units |
|-----------|------------|

Answer

SAMPLE ONLY - NOT TO BE USED

| | | | | |
|---|--|--|---|---|
| $\begin{array}{c c} \downarrow & \downarrow \\ 8179 & 4567 \end{array}$ | $\begin{array}{c c} \downarrow & \downarrow \\ 4 & 9426 \\ \text{thousands} & \end{array}$ | $\begin{array}{c c} \downarrow & \downarrow \\ 4 & 9125 \\ \text{hundred} & \end{array}$ | $\begin{array}{c c} \downarrow & \downarrow \\ 2 & 4 \\ \text{tens} & \text{units} \end{array}$ | |
| $\begin{array}{c} \text{units} \\ 9 \\ \hline \text{tens} \\ 5 \end{array}$ |  | | $\begin{array}{c} 8164 \\ \hline \text{units} \\ 6 \end{array}$ | |
| $\begin{array}{c} 8652 \\ \hline 1275 \end{array}$ | | | $\begin{array}{c} 3126 \\ \hline 5127 \end{array}$ | |
| $\begin{array}{c c} \downarrow & \downarrow \\ 310 & 2785 \\ \text{units} & \text{thousands} \end{array}$ | | | $\begin{array}{c c} \downarrow & \downarrow \\ 6 & 2785 \\ \text{hundred} & \end{array}$ | $\begin{array}{c c} \downarrow & \downarrow \\ 3515 & 2 \\ \text{thousands} & \text{units} \end{array}$ |
| SAMPLE ONLY - NOT TO BE USED | | | | |