

Division of 123456789 by 9

1/9	2/9	3/9	4/9	5/9	6/9	7/9	8/9
1/9>1+1	2/9>2+2	3/9>3+3	4/9>4+4	5/9>5+5	6/9>6+6	7/9>7+7	8/9>8+8

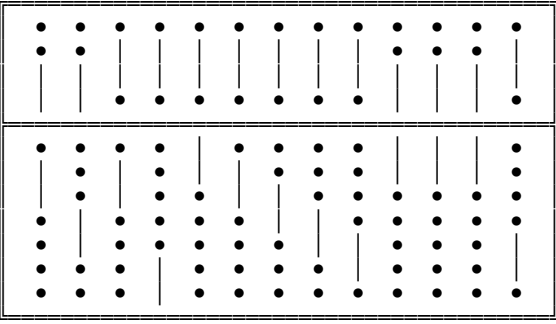
Rules of division by 9

<p>1 2 3 4 5 6 7 8 9 9</p> <p>A B C D E F G H I J K L M</p>	<p>Column A: Apply 1/9>1+1</p>
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<p>1 3 3 4 5 6 7 8 9 9</p> <p>A B C D E F G H I J K L M</p>	<p>Change 1 in A into 1 and add 1 to B</p>
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<p>1 3 6 4 5 6 7 8 9 9</p> <p>A B C D E F G H I J K L M</p>	<p>Column B: Apply rule 3/9>3+3 Change 3 in B into 3 and add 3 to C</p>
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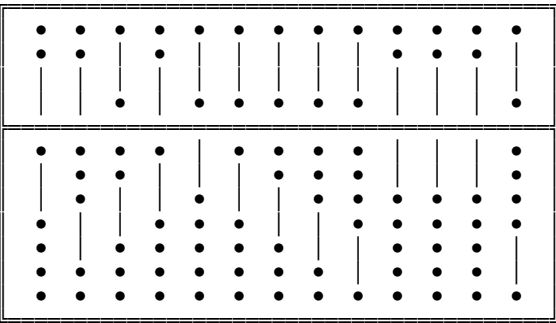
1 3 6 10 5 6 7 8 9 9



A B C D E F G H I J K L M

Column C: Apply rule $6/9 > 6+6$
Change 6 in C into 6 and add 6 to D

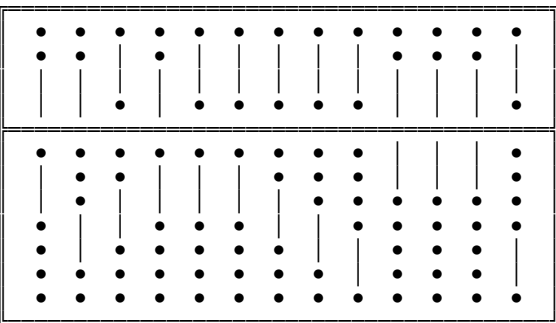
1 3 7 1 5 6 7 8 9 9



A B C D E F G H I J K L M

Revise up

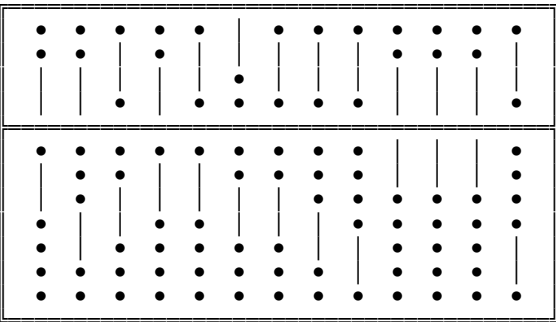
1 3 7 1 6 6 7 8 9 9



A B C D E F G H I J K L M

Column D: Apply rule $1/9 > 1+1$
Change 1 in D into 1 and add 1 to E

1 3 7 1 6 12 7 8 9 9



A B C D E F G H I J K L M

Column E: Apply rule $6/9 > 6+6$
Change 6 in E into 6 and add 6 to F

<p>1 3 7 1 7 3 7 8 9 9</p> <p>A B C D E F G H I J K L M</p>	<p>Revise up</p>
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<p>1 3 7 1 7 3 10 8 9 9</p> <p>A B C D E F G H I J K L M</p>	<p>Column F: Apply rule $3/9 > 3+3$ Change 3 in F into 3 and add 3 to G</p>
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<p>1 3 7 1 7 4 1 8 9 9</p> <p>A B C D E F G H I J K L M</p>	<p>Revise up</p>
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<p>1 3 7 1 7 4 1 9 9 9</p> <p>A B C D E F G H I J K L M</p>	<p>Column G: Apply rule $1/9 > 1+1$ Change 1 in G into 1 and add i to H</p>
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<p>1 3 7 1 7 4 2 0 9 9</p> <p>A B C D E F G H I J K L M</p>	<p>Revise up</p>
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<p>1 3 7 1 7 4 2 1 9</p> <p>A B C D E F G H I J K L M</p>	<p>Revise up</p> <p>Done!</p> <p>$123456789/9=13717421$</p>
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