

Division of 123456789 by 4

1/4	2/4	3/4
1/4 > 2+2	2/4 > 5+0	3/4 > 7+2

Rules of division by 4

<p>1 2 3 4 5 6 7 8 9 0 0 0 4</p> <p>A B C D E F G H I J K L M</p>	
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<p>2 4 3 4 5 6 7 8 9 0 0 0 4</p> <p>A B C D E F G H I J K L M</p>	<p>Column A: rule 1/4 > 2+2</p> <p>Change 1 in A into 2, add 2 to B</p>
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<p>0 3 4 5 6 7 8 9 0 0 0 4</p> <p>A B C D E F G H I J K L M</p>	<p>Revise up A</p> <p>Add 1 to A, subtract 4 from B</p>
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<p>3 0 7 6 5 6 7 8 9 0 0 0 4</p> <p>A B C D E F G H I J K L M</p>	<p>Column C: rule $3/4 > 7+2$</p> <p>Change 3 in C into 7, add 2 to D</p>
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<p>3 0 8 2 5 6 7 8 9 0 0 0 4</p> <p>A B C D E F G H I J K L M</p>	<p>Revise up C</p> <p>Add 1 to C, subtract 4 from D</p>
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<p>3 0 8 5 5 6 7 8 9 0 0 0 4</p> <p>A B C D E F G H I J K L M</p>	<p>Column D: rule $2/4 > 5+0$</p> <p>Change 2 in D into 5, add 0 to E</p>
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<p>3 0 8 6 1 6 7 8 9 0 0 0 4</p> <p>A B C D E F G H I J K L M</p>	<p>Revise up D</p> <p>Add 1 to D, subtract 4 from E</p>
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<p>3 0 8 6 2 8 7 8 9 0 0 0 4</p> <p>A B C D E F G H I J K L M</p>	<p>Column E: rule $1/4 > 2+2$</p> <p>Change 1 in E into 2, add 2 to F</p>
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<p>3 0 8 6 4 0 7 8 9 0 0 0 4</p> <p>A B C D E F G H I J K L M</p>	<p>Revise up E twice</p> <p>Add 2 to E, subtract 8 from F</p>
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<p>3 0 8 6 4 1 3 8 9 0 0 0 4</p> <p>A B C D E F G H I J K L M</p>	<p>Revise up F</p> <p>Add 1 to F, subtract 4 from G</p>
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<p>3 0 8 6 4 1 7 10 9 0 0 0 4</p> <p>A B C D E F G H I J K L M</p>	<p>Column G: rule $3/4 > 7+2$</p> <p>Change 3 in G into 7, add 2 to H</p>
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<p>3 0 8 6 4 1 9 2 9 0 0 0 4</p> <p>A B C D E F G H I J K L M</p>	<p>Revise up G twice</p> <p>Add 2 to G, subtract 8 from H</p>
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<p>3 0 8 6 4 1 9 5 9 0 0 0 4</p> <p>A B C D E F G H I J K L M</p>	<p>Column H: rule $2/4 > 5+0$</p> <p>Change 2 in H into 5, add 0 to I</p>
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<p>3 0 8 6 4 1 9 7 1 0 0 0 4</p> <p>A B C D E F G H I J K L M</p>	<p>Revise up H twice</p> <p>Add 2 to H, subtract 8 from I</p>
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<p>3 0 8 6 4 1 9 7 2 2 0 0 4</p> <p>A B C D E F G H I J K L M</p>	<p>Column I: rule $1/4 > 2+2$</p> <p>Change 1 in I into 2, add 2 to J</p>
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3 0 8 6 4 1 9 7 2 5 0 0 4													Column J: rule $2/4 > 5+0$
													Change 2 in J into 5, add 0 to K
													Done!
A B C D E F G H I J K L M													$123456789/4=30864197.25$