

# MATLAB - DIVISION *LEFT, RIGHT* OF MATRICES

[http://www.tutorialspoint.com/matlab/matlab\\_matrix\\_division.htm](http://www.tutorialspoint.com/matlab/matlab_matrix_division.htm)

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You can divide two matrices using left  $\backslash$  or right  $/$  division operators. Both the operand matrices must have the same number of rows and columns.

## Example

Create a script file with the following code –

```
a = [ 1 2 3 ; 4 5 6; 7 8 9];  
b = [ 7 5 6 ; 2 0 8; 5 7 1];  
c = a / b  
d = a \ b
```

When you run the file, it displays the following result –

```
c =  
  
-0.52542    0.68644    0.66102  
-0.42373    0.94068    1.01695  
-0.32203    1.19492    1.37288  
  
d =  
  
-3.27778   -1.05556   -4.86111  
-0.11111    0.11111   -0.27778  
 3.05556    1.27778    4.30556
```

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