```matlab
%Fuel Efficiency and carbon dioxide emission
%Define Givens
fe= [37 29 43 31 48 32 42];
%Solve for pounds of carbon dioxide emission
co2= 19.4*(12000./fe)

%Solve for cost of gas per year
cost=3.5*(12000./fe)
```

co2 =

   1.0e+03 *

    6.2919   8.0276   5.4140   7.5097   4.8500   7.2750   5.5429

cost =

   1.0e+03 *

    1.1351   1.4483   0.9767   1.3548   0.8750   1.3125   1.0000

Published with MATLAB® R2016b