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## Matrix Multiplication

## Word Problems

A tea stall sells both black tea and green tea. In 2 hours the number of cups sold is shown in the table below.

	Small Cup	Large Cup
Black tea	3	4
Green tea	6	3

Represent the above table by a matrix S. If a matrix  $P = \begin{bmatrix} 0.75 & 1.25 \end{bmatrix}$  then find the vale of PS.

At a swimming competition, 7 points are awarded for each first place finish, 4 points for each second place, and 2 points for each third place. The number of first, second, and third places won by 4 schools are shown in the below table. Find which school won the competition.

School Name	1 <sup>st</sup> place	2 <sup>nd</sup> place	3 <sup>rd</sup> place				
St. Xavier's	4	7	3				
St. Paul's	8	9	1				
St. Peter's	10	5	3				
Lincoln	3	3	6				

. Thus St. Peter's won the meet with a total of 96 points.



## Matrix Multiplication

## Word Problems Answers

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$$PS = [9.75 \ 6.75]$$

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96

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