

MATHCOUNTS 2015–2016 Fall Newsletter Problem

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FOUNDATION

*In how many ways can **Kelvin** and **Kami** each be randomly assigned to one of **seven** ski instructors?*

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MATHCOUNTS 2015–2016 Fall Newsletter Problem SOLUTION

Since there are seven ski instructors, there are 7 ways **Kami** can be assigned to an instructor and 7 ways **Kelvin** can be assigned to an instructor. In total, the two of them can be assigned $7 \times 7 = \mathbf{49}$ ways.