If I multiply an integer by a proper fraction, the product will be smaller than the integer.

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True

For example $5 \times \dfrac{3}{5} = 3$

$\dfrac{3}{5}$	$\dfrac{3}{5}$	$\dfrac{3}{5}$	$\dfrac{3}{5}$	$\dfrac{3}{5}$

0   1   2   3

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