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The unit's digit is the product of the number of fingers on each hand between the touching fingers and pinky (count the pinky, but not the touching finger).

Example: 7×9

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touch the index finger of your left hand to the ring
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touch the index finger of your left hand to the ring
finger of your right hand.

The 10's digit is $2 + 4 = 6$,
while the unit's digit is $3 \times 1 = 3$.

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touch the index finger of your left hand to the ring
finger of your right hand.

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while the unit's digit is $3 \times 1 = 3$.

Thus $7 \times 9 = 63$.

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while the unit's digit is $3 \times 1 = 3$.

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Explain why this trick works.