Name: _____ Period: _____ Date: _____

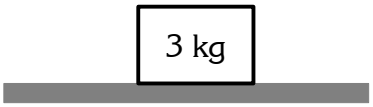
Normal Force Exercises

To simplify the math on this sheet, please use $g=10.0\ m/s^2$ instead of the usual $9.8\ m/s^2$. This is a common and super-convenient approximation!

Find the normal force

For each situation below, find the normal force, F_N, from the table that pushes up on the block.

You MUST show your work, starting with $F_{net}=m\cdot a$! (In all of these problems, $a=0\ m/s^2$.)



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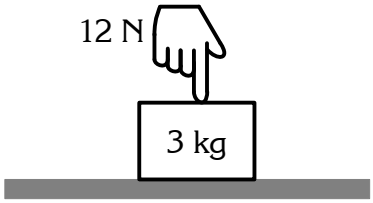

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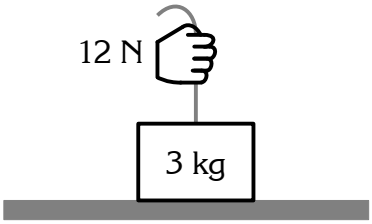

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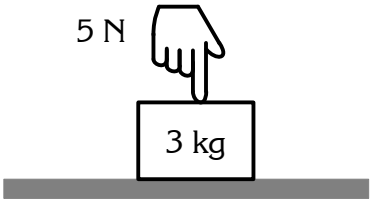

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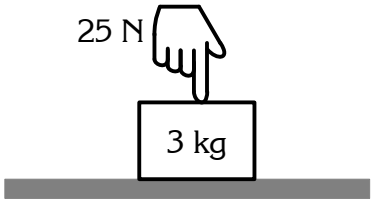

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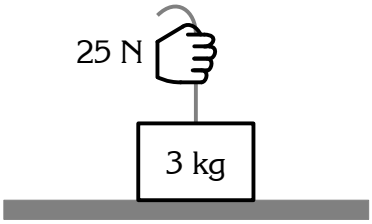

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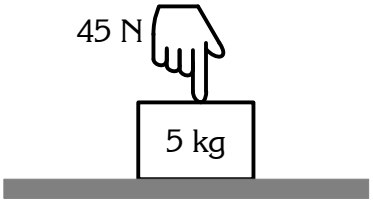

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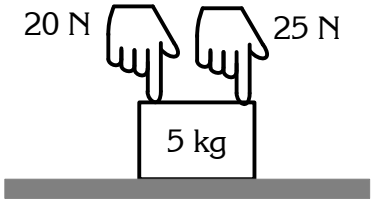

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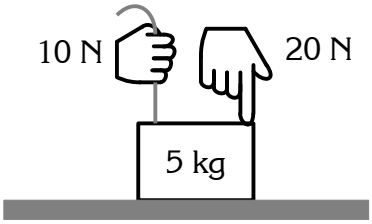

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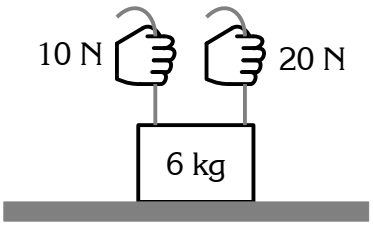

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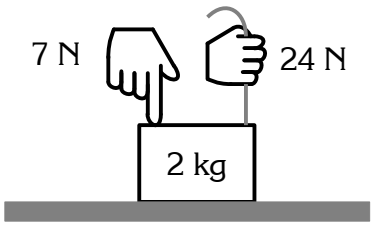

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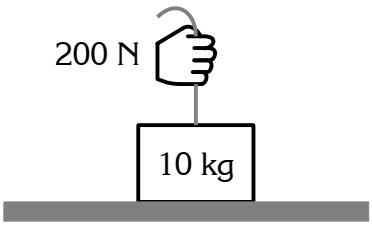
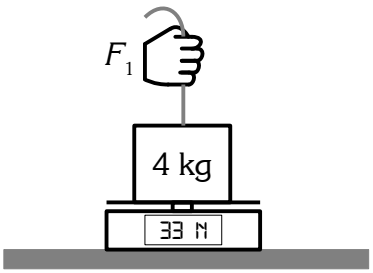


12)

Find other stuff, given F_N

In these situations, F_N is given in the form of the scale's reading and you are asked to find either a missing force from a hand or the mass of the block (based on F_g). Don't forget to show your work!



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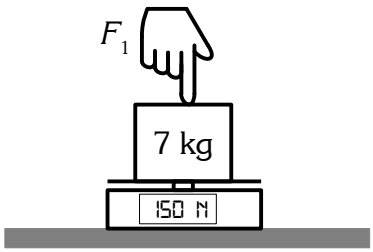

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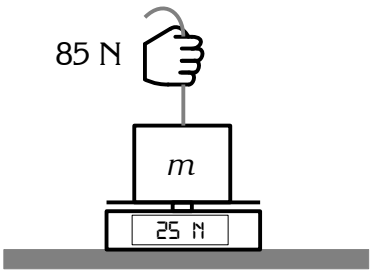

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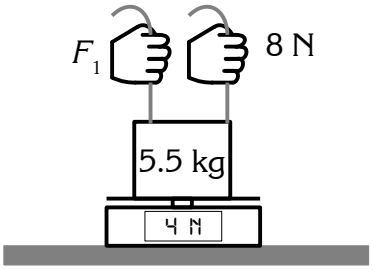

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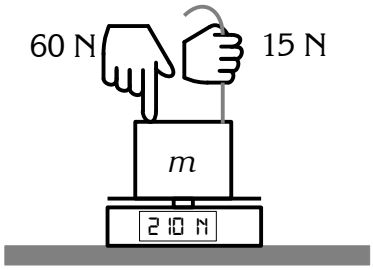

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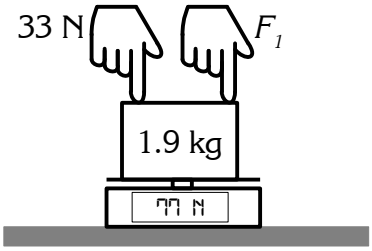

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