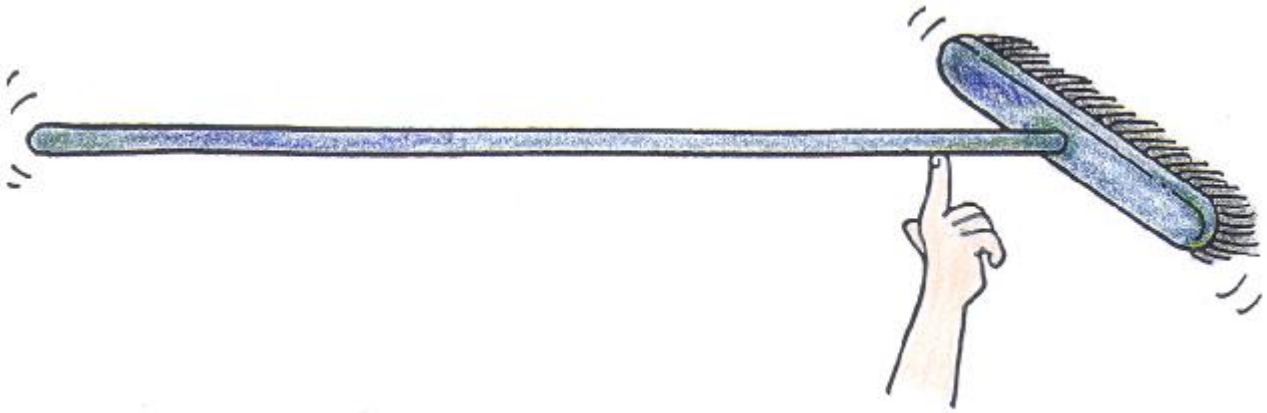
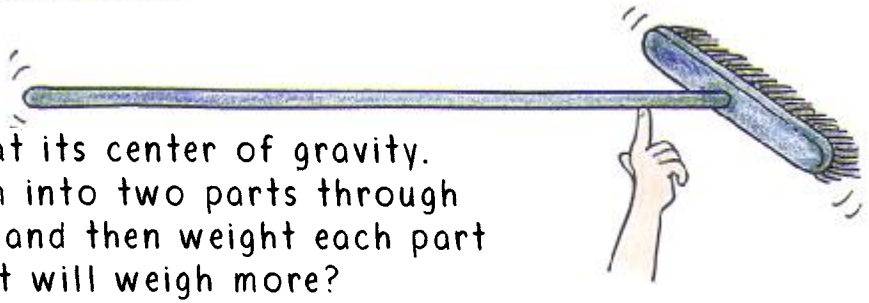
NEXT-TIME QUESTION



The broom balances at its center of gravity. If you saw the broom into two parts through the center of gravity and then weigh each part on a scale, which part will weigh more?

thanx to Iain MacInnes

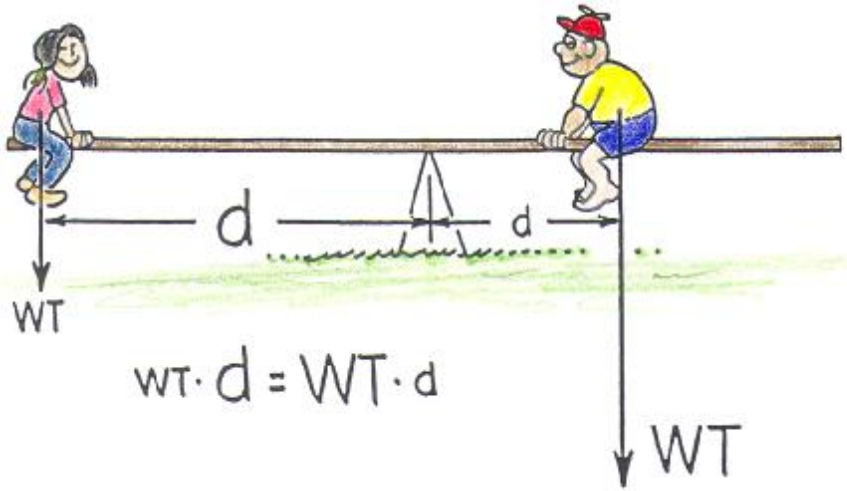
NEXT-TIME QUESTION



The broom balances at its center of gravity. If you saw the broom into two parts through the center of gravity and then weight each part on a scale, which part will weigh more?

Answer:

The short broom part is heavier. It balances the long handle just as kids of unequal weights can balance on a seesaw when the heavier kid sits closer to the fulcrum. Both the balanced broom and seesaw are evidence of equal and opposite torques —not equal weights.



ARBOR SCIENTIFIC
TOOLS THAT TEACH.

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