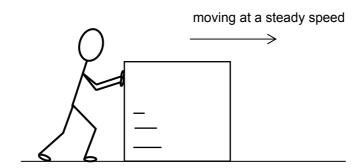
A large box is sitting on a level floor. Sam exerts a force forwards on the box, and it moves at a steady speed across the floor.



Think about the forces **exerted by the box on Sam** while he is pushing. Which of the following statements is correct?

Tick ONE box (✓)

N ONE DOX (*)
While Sam is pushing, he exerts a force on the box. The box does <b>not</b> exert a force on Sam.
While Sam is pushing, he exerts a force on the box. The box also exerts a force on Sam in the opposite, ie. ( , ), direction. The force exerted on Sam by the box is <b>smaller</b> .
While Sam is pushing, he exerts a force on the box. The box also exerts a force on Sam in the opposite, ie. ( ← → ), direction. The two forces are <b>the same size</b> .
While Sam is pushing the exerts a force on the box. The box

While Sam is pushing, he exerts a force on the box. The box also exerts a force on Sam in the opposite, ie. ( ← → ), direction. The force exerted on Sam by the box is **bigger**.

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