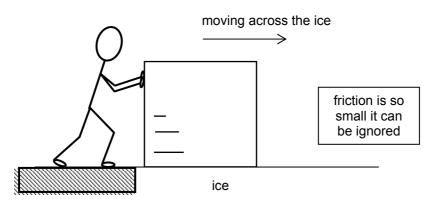
The ice is very smooth. The friction force on the box is so small that it can be ignored.



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

Tick ONE box (✓)

While Sam is pushing, he exerts a force on the box. The box does **not** 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. (\leftarrow), direction. The force exerted on Sam by the box is **smaller**.

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 **the same size**.