## Practice Quiz Energy

1. What is the speed of the 3 kg mass when it gets to the top of the hill?

2. Find the speed of the blocks after they have moved 4 m .
3. Find the speed of each ball after an elastic collision.

4. How much energy was lost due to friction?

5. A boy pushed a cart of mass 10 kg for 3 m . Its final speed was $9.5 \mathrm{~m} / \mathrm{s}$. What force did the boy use?

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