



Work & Energy  
Quiz Review

# Question 1

- How much work is done when you pull a wagon horizontally with 4N for a total of 8 m?

## Question 2

- How can you push a box for the same distance but only do half of the work?

## Question 3

- A 3 kg object is moving down a hill at a speed of 5 m/s and is currently at a height of 6 m. How fast will it be going when it is only 2 m high?

## Question 4

- Someone is carrying a bucket of water (6 kg) on top of their head at a constant speed of 2 m/s for a distance of 8 m. How much work is done?

## Question 5

- When the speed of a car quadruples, what happens to its Kinetic Energy?

# Answer

1. 32 J
2. Apply  $\frac{1}{2}$  the force
3.  $V = 10.2 \text{ m/s}$
4. 0 J
5. 16 time the KE